

Epitope Tag Antibody

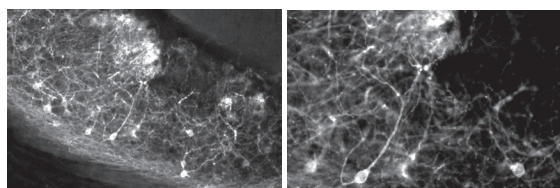
Nacalai Tesque carries an impressive variety of antibodies. Apart from the wide range of secondary antibodies, recently tag antibodies are developed in increased numbers. Presently available tagged antibody types are: GFP, c-Myc, His, V5, GST. Most of these types are available in POD coupled form as well. Uniquely, GFP (Rat IgG2a) is suitable for immunohistochemical detection!

Anti-GFP(Rat IgG2a), Monoclonal(GF090R)

- » Immunohistochemical application
- » Rat monoclonal antibody

Clone	: GF090R
Isotype	: IgG2a(Rat)
Product form	: Liquid
Immunogen	: His-GFP(full length) fusion protein
Application	: Immunohistochemistry 1:1000-1:2000
	: Western blotting 1:1000-1:2000
	: ELISA 1:2000-1:20000

• Immunocytochemistry



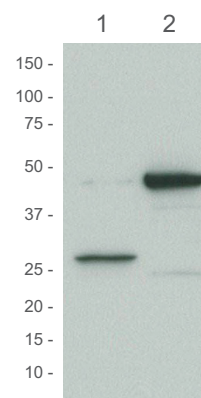
Sample	: Mouse brain (nerve cell)
Pabrimary antibody	: Anti-GFP(Rat IgG2a), Mono (1:1000) RT, O/N
Secondary antibody	: Anti-Rat IgG-Cy3 (1:300) RT, 1hr
Blocking	: 5% normal goat serum/0.2% TritonX-100 in PBS
Fixing method	: 4% Paraformaldehyde

Data courtesy of Dr. Yoshihara Y., RIKEN Brain Science Institute

• Reference

1. Nakamura, M. et al. *Molecular Vision* **16**, 425-437 (2010)
2. Nishide, K. et al. *PLoS ONE* **4**(8), e6869 (2009)
3. Nagao, M. et al. *The Journal of Cell Biology* **183**(7), 1243-1257 (2008)
4. Ono, K. et al. *Development Biology* **320**(2), 356-468 (2008)
5. Nakashiba T. et al. *Science* **319**(5867), 1260-1264 (2008)
6. Batista-Brito R et al. *The Journal of Neuroscience* **28**(15), 3966-3975 (2008)
7. Esumi S. et al. *Neuroscience Research* **60**(4), 439-451 (2008)
8. Fogarty M. et al. *The Journal of Neuroscience* **27**(41), 10935-10946 (2007)
9. Sasamura T. et al. *Development* **134**, 1347-1356 (2007)
10. Sato Y. et al. *The Journal of Neuroscience* **27**(7), 1606-1615 (2007)
11. Yamada M. et al. *Stem Cells* **25**(3), 562-570 (2007)
12. Togashi H. et al. *The Journal of Cell Biology* **174**, 141-151 (2006)
13. Ogata M. et al. *Molecular and Cell Biology* **26**(24), 9220-9231 (2006)
14. Sato Y. et al. *The Journal of Neuroscience* **25**(20), 4889-4897 (2005)

• Western blotting



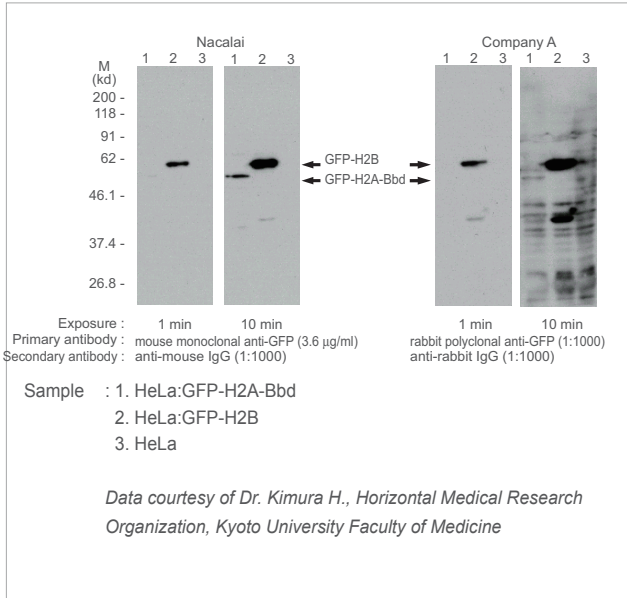
Sample	: 1. GFP, 2. GFP-14-3-3 (293 cell lysate 50 µg)
Gel	: 5-20% Gradient gel
Primary antibody	: Anti-GFP(Rat IgG2a), Mono (3 µg/ml) O/N
Secondary antibody	: Anti-Rat IgG-HRP (1:10000)

Data courtesy of Dr. Yoshida K., Department of Molecular Genetics, Medical Research Institute, Tokyo Medical and Dental University

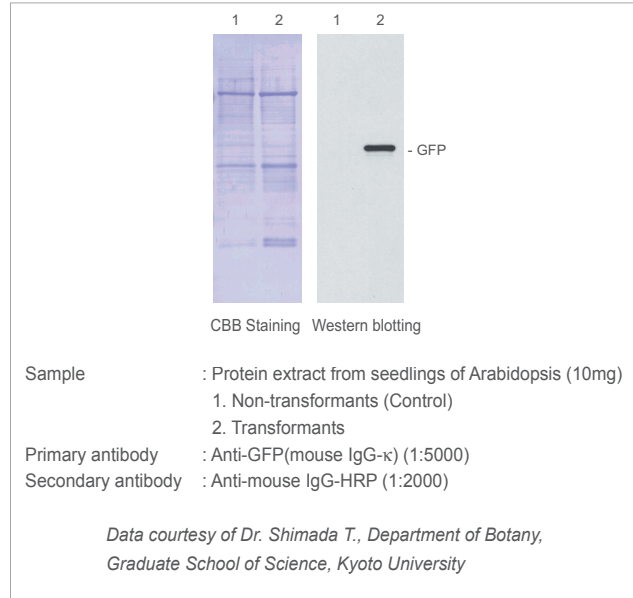
Anti-GFP(mouse IgG1-κ), Monoclonal(GF200)

Clone : GF200
 Isotype : IgG1-κ(Mouse)
 Product form : Liquid
 Immunogen : His-GFP (full length) fusion protein
 Application : Western blotting 1:1000-1:2000
 ELISA 1:2000-1:20000

• Western blotting



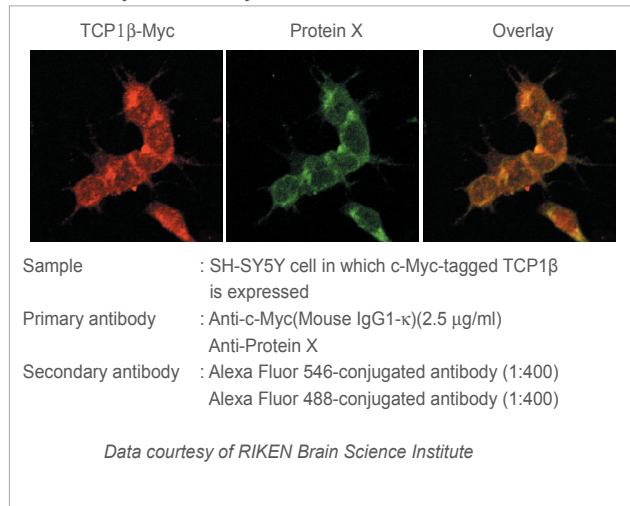
• Western blotting



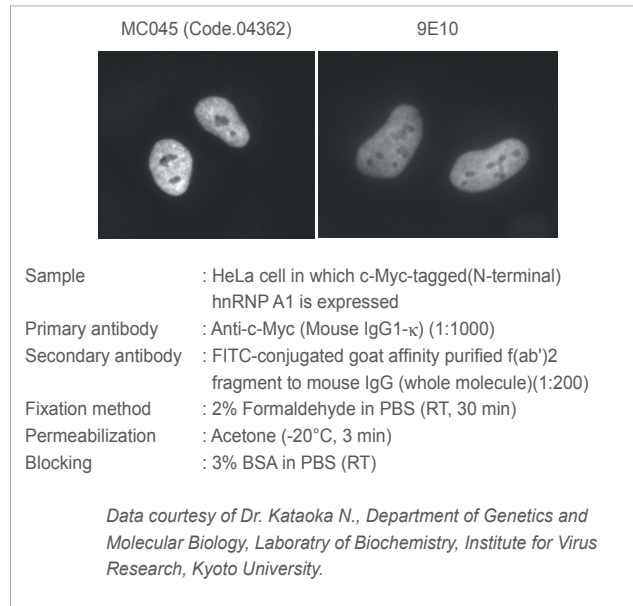
Anti-c-Myc(mouse IgG1-κ), Monoclonal (MC045)

Clone : MC045
 Isotype : IgG1-κ(mouse)
 Product form : Liquid
 Immunogen : c-Myc synthetic peptide [EQKLISEEDL] conjugated with KLH
 Application : Western blotting 1:1000-1:2000
 Immunoprecipitation 1:400-1:1000
 Immunocytochemistry 1:400-1:1000
 ELISA 1:2000-1:20000

• Immunocytochemistry



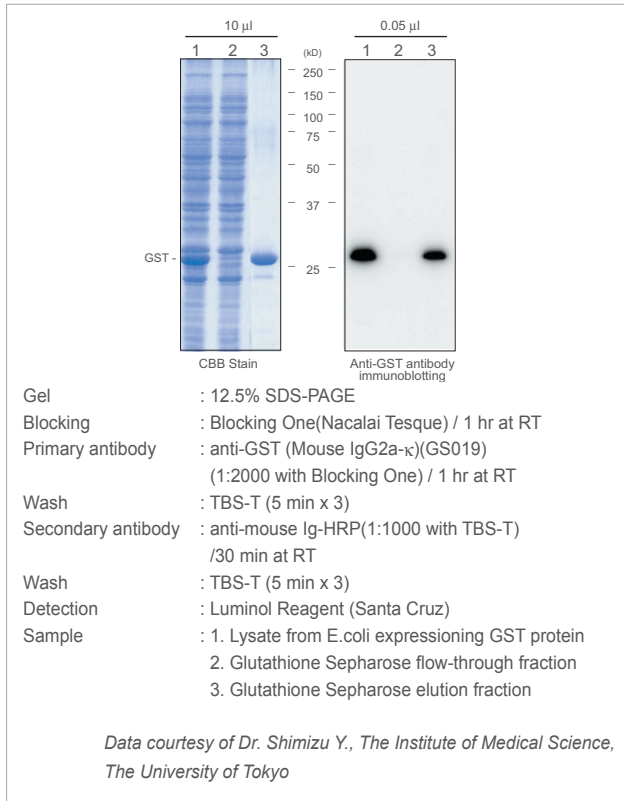
• Immunocytochemistry



Anti-GST(mouse IgG2a-κ), Monoclonal(GS019)

Clone	: GS019
Isotype	: IgG2a-κ(mouse)
Product form	: Liquid
Immunogen	: Glutathione-S-Transferase(GST)
Application	: Western blotting 1:1000-1:2000
	: Immunoprecipitation 1:400-1:1000
	: ELISA 1:2000-1:20000

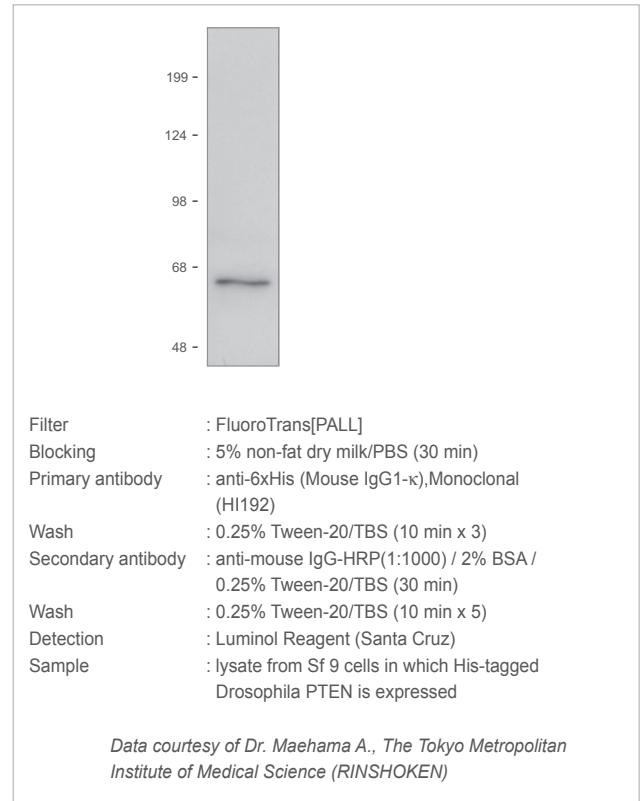
• Western blotting



Anti-6xHis(Mouse IgG1-κ), Monoclonal(HI192)

Clone	: HI192
Isotype	: IgG1-κ(mouse)
Product form	: Liquid
Immunogen	: 6xHis synthetic peptide [HHHHHH] conjugated with KLH
Application	: Western blotting 1:1000-1:2000
	: ELISA 1:2000-1:20000

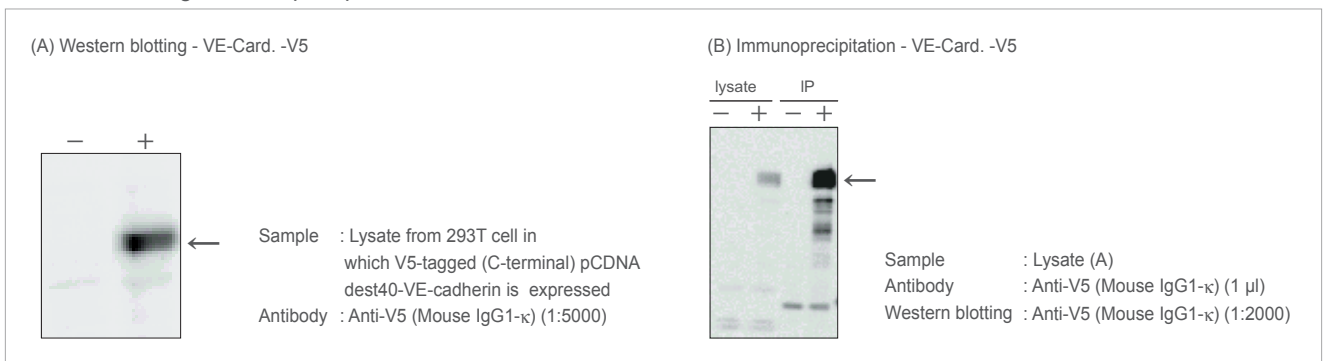
• Western blotting



Anti-V5(mouse IgG1-κ), Monoclonal(V5005)

Clone	: V5005
Isotype	: IgG1-κ(mouse)
Product form	: Liquid
Immunogen	: V5 synthetic peptide [GKPIPPLLGLDST] conjugated with KLH
Application	: Western blotting 1:1000-1:2000
	: Immunoprecipitation 1:400-1:1000
	: ELISA 1:2000-1:20000

• Western blotting, Immunoprecipitation



Anti-HA(Mouse IgG1-κ), Monoclonal (HA124)

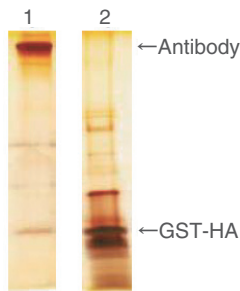
Clone	: HA124
Isotype	: IgG1-κ(mouse)
Product form	: Liquid
Immunogen	: Glutathione-s-Transferase(GST)- HA [YPYDVPDYA-COOH] fusion protein
Application	: Western blotting 1:10000-1:30000 ELISA 1:2000-1:20000

• Western blotting



Sample	: 1. E.coli lysate 2. H2-(GST)(T7)(HSV)(c-myc)(VSV)(Glu-Glu)(V5) (E-tag)(DDDDK)(S-tag)(HA)(6xHis)-COOHNH2- (GST)(abcam, #ab5395) 250 ng 3. NH2-(GST)(HA)-COOH (PIERCE, #23613) 20 ng 4. NH2-(GST)(HA)-COOH (PIERCE, #23613) 100 ng 5. M.W. marker
Primary antibody	: Anti-HA(Mouse IgG1-κ), Monoclonal (HA124), 1:10000, 60 min
Secondary antibody	: Anti-Mouse IgG (Rat IgG), Monoclonal Cocktail, CC, POD Conjugated 1:25000 60 min
Detection	: Chemi-Lumi One (Product Number: 05027-20) 1 min

• Immunoprecipitation



Sample	: 1. clarified bacterial lysate + HA-tagged GST 1 μg + Anti-HA (Mouse IgG1-κ), Monoclonal (HA124), 5 μg + Protein G Agarose (50% suspension) 0.05 ml 2. E.coli lysate + NH2-(GST)(HA)-COOH (PIERCE, #23613) 1 μg
Detection	: Silver staining

Ordering Information

Product name	Storage	Product number	PKG Size
Anti-GFP (Rat IgG2a), Monoclonal (GF090R)	R	04404-26 04404-84	50 μg 200 μg
Anti-GFP (Mouse IgG1-κ), Monoclonal (GF200)	R	04363-66 04363-24	50 μg 200 μg
Anti-c-Myc (Mouse IgG1-κ), Monoclonal (MC045)	R	04362-76 04362-34	50 μg 200 μg
Anti-GST (Mouse IgG2a-κ), Monoclonal (GS019)	R	04435-84 04435-26	50 μg 200 μg
Anti-6xHis (Mouse IgG1-κ), Monoclonal (HI192)	R	04428-26 04428-84	50 μg 200 μg
Anti-V5 (Mouse IgG1-κ), Monoclonal (V5005)	R	04434-94 04434-36	50 μg 200 μg
Anti-HA (Mouse IgG1-κ), Monoclonal (HA124)	R	06340-96 06340-54	50 μg 200 μg

Product name	Storage	Product number	PKG Size
Anti-GFP (Mouse IgG1-κ), Mono (GF200), POD Conjugated	R	05178-34	50 μg
Anti-c-Myc (Mouse IgG1-κ), Mono (MC045), POD Conjugated	R	04554-24	50 μg
Anti-GST (Mouse IgG2a-κ), Mono (GS019), POD Conjugated	R	04559-74	50 μg
Anti-6xHis (Mouse IgG1-κ), Mono (HI192), POD Conjugated	R	04546-34	50 μg
Anti-V5 (Mouse IgG1-κ), Mono (V5005), POD Conjugated	R	04578-24	50 μg

Product name	Storage	Product number	PKG Size
Anti-c-Myc (Mouse IgG1-κ), Mono (MC045), Agarose Conjugated	R	04145-55	500 μg

For research use only, not intended for diagnostic or drug use.

NACALAI TESQUE, INC.

Nijo Karasuma, Nakagyo-ku, Kyoto 604-0855, JAPAN
 TEL : +81-(0)75-251-1730
 FAX : +81-(0)75-251-1763
 Website : www.nacalai.com
 E-mail : info.intl@nacalai.com