

Anti-GRB2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

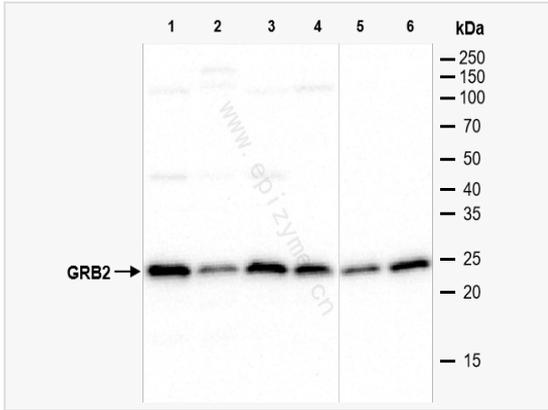
Catalog # R013926

Product Information

Application	ELISA, IF (Cell)/ICC, WB, IHC-P/IF (Tissue-P)
Reactivity	Rat, Mouse, Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	50H22Q25
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human GRB2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-GRB2 Rabbit mAb [50H22Q25] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Abundant SRC homology, Adapter protein GRB2, ASH, Ash protein, EGFRBP GRB2, Epidermal growth factor receptor binding protein, Epidermal growth factor receptor binding protein GRB2, GRB 2, GRB2 adapter protein, Grb2, GRB2_HUMAN, Grb3 3, Growth factor receptor bound protein 2, Growth factor receptor bound protein 3, Growth factor receptor-bound protein 2, HT027, MST084, MSTP084, NCKAP2, OTTHUMP00000166096, OTTHUMP00000166097, OTTHUMP00000166098, Protein ash, SEM5, SH2/SH3 adapter GRB2.
Calculated MW	Calculated MW: 25 kDa; Observed MW: 25 kDa
Uniprot ID	P62993
Gene ID	2885
Background	The protein encoded by this gene binds the epidermal growth factor receptor and contains one SH2 domain and two SH3 domains. Its two SH3 domains direct complex formation with proline-rich regions of other proteins, and its SH2 domain binds tyrosine phosphorylated sequences. This gene is similar to the Sem5 gene of <i>C.elegans</i> , which is involved in the signal transduction pathway. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Cellular Location	Golgi apparatus.



Western Blot - Anti-GRB2 Rabbit mAb [50H22Q25]

All lanes: R013926 at 1:1,000 dilution

Lane 1: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 2: MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 3: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 4: Raw264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysates

Lane 5: Balb/c mouse lung whole tissue lysates

Lane 6: Balb/c mouse spleen whole tissue lysates

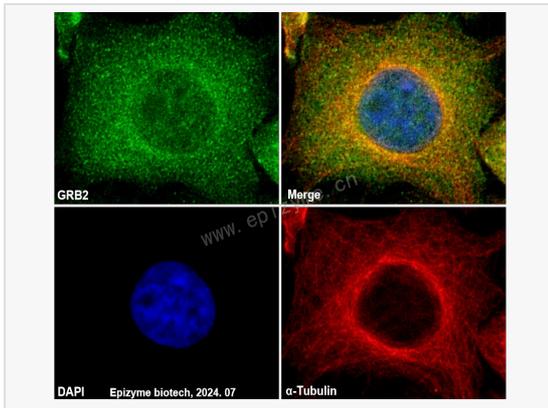
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 25 kDa

Observed band size: 25 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-GRB2 Rabbit mAb [50H22Q25]

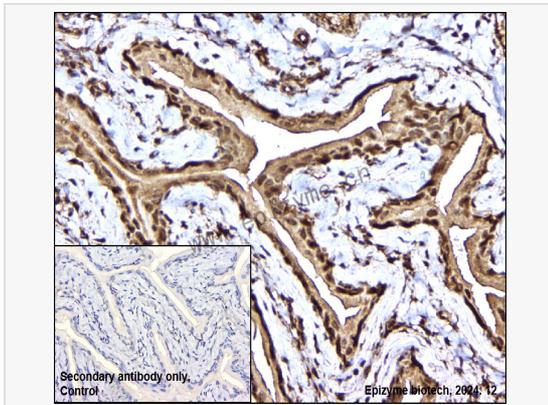
Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R013926 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-GRB2 Rabbit mAb [50H22Q25]

Sample: Paraformaldehyde-fixed, paraffin embedded rat bladder tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013926 at 1:200 dilution

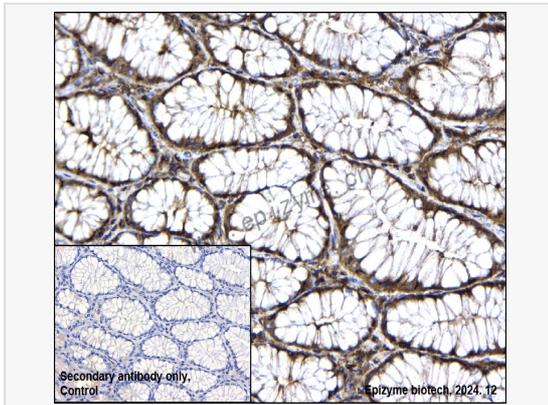
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-GRB2 Rabbit mAb [50H22Q25]

Sample: Paraformaldehyde-fixed, paraffin embedded human gastric cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013926 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.