

## Anti-RACK1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

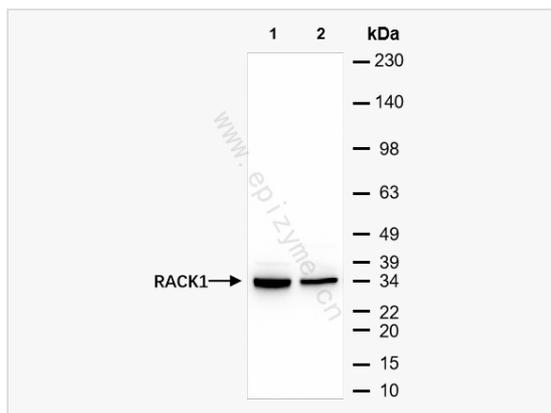
Catalog # R013086

### Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Rat, Human, Mouse
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.	51M96K12
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human RACK1
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-RACK1 Rabbit mAb [51M96K12] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	Cell proliferation-inducing gene 21 protein, GBLP_HUMAN, Gnb2-rs1, Gnb211, Guanine nucleotide binding protein (G protein) beta polypeptide 2 like 1, Guanine nucleotide binding protein beta polypeptide 2 like 1, Guanine nucleotide binding protein beta subunit 2 like 1, Guanine nucleotide binding protein beta subunit like protein 12.3, Guanine nucleotide binding protein subunit beta 2 like 1, Guanine nucleotide binding protein subunit beta like protein 12.3, Guanine nucleotide-binding protein subunit beta-2-like 1, Guanine nucleotide-binding protein subunit beta-like protein 12.3, H12.3, HLC-7, Human lung cancer oncogene 7 protein, lung cancer oncogene 7, OTTHUMP00000223704, OTTHUMP00000223870, OTTHUMP00000223891, OTTHUMP00000223893, OTTHUMP00000223900, OTTHUMP00000223902, OTTHUMP00000223930, OTTHUMP00000223931, PIG21, Proliferation inducing gene 21, Protein homologous to chicken B complex protein guanine nucleotide binding, RACK1, Receptor for activated C kinase 1, Receptor for activated C kinase, Receptor of activated protein kinase C 1.
Calculated MW	Calculated MW: 35 kDa; Observed MW: 35 kDa
Uniprot ID	P63244
Gene ID	10399
Background	Scaffolding protein involved in the recruitment, assembly and/or regulation of a variety of signaling molecules. Interacts with a wide variety of proteins and plays a role in many cellular processes. Component of the 40S ribosomal subunit involved in translational repression (PubMed:23636399). Involved in the initiation of the ribosome quality control (RQC), a pathway that takes place when a ribosome has stalled during translation, by promoting ubiquitination of a subset of 40S ribosomal subunits (PubMed:28132843).



Western Blot - Anti-RACK1 Rabbit mAb [51M96K12]

All lanes: R013086 at 1:1,000 dilution

Lane 1: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 2: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

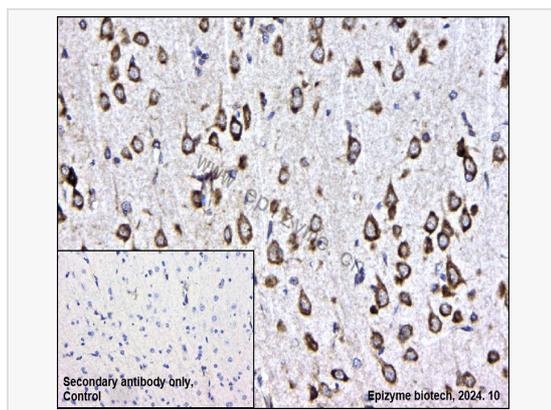
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 35 kDa

Observed band size: 35 kDa

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



Immunohistochemistry - Anti-RACK1 Rabbit mAb [51M96K12]

Sample: Paraformaldehyde-fixed, paraffin embedded rat brain tissue

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

Primary antibody: R013086 at 1:200 dilution

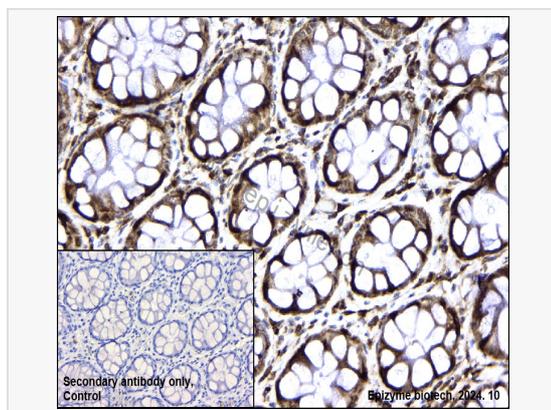
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-RACK1 Rabbit mAb [51M96K12]

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

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

Primary antibody: R013086 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.