

# Anti-DDR1 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

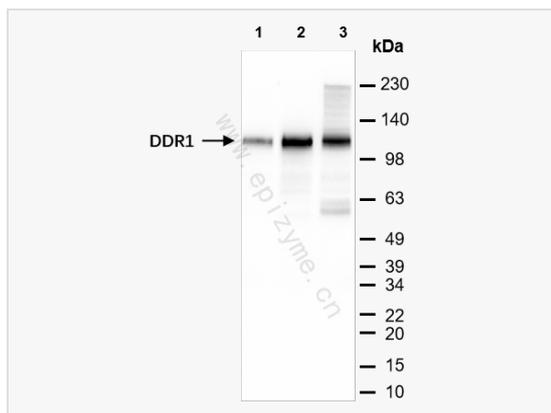
Catalog # M014282

## Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Mouse
Clonality	Monoclonal
Clone No.	15H87Q50
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human DDR1
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-DDR1 Mouse mAb [15H87Q50] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	CAK, CD 167, CD167, CD167 antigen-like family member A, CD167a, Cell adhesion kinase, DDR 1, DDR, DDR1, DDR1_HUMAN, Discoidin domain receptor, Discoidin domain receptor tyrosine kinase 1, Discoidin receptor tyrosine kinase, Discoidin receptor tyrosine kinase isoform a, EDDR 1, EDDR1, Epithelial discoidin domain receptor 1, Epithelial discoidin domain-containing receptor 1, Epithelial specific receptor kinase, HGK2, Mammary carcinoma kinase 10, Mammary carcinoma kinase 10, MCK-10, MCK10, NEP, Neuroepithelial tyrosine kinase, Neurotrophic tyrosine kinase receptor type 4, NTRK 4, NTRK4, OTTHUMP00000029343, OTTHUMP00000029344, OTTHUMP00000029345, OTTHUMP00000029346, OTTHUMP00000029347, OTTHUMP00000164863, OTTHUMP00000164867, OTTHUMP00000222080, Protein-tyrosine kinase 3A, Protein-tyrosine kinase RTK-6, PTK 3, PTK 3A protein tyrosine kinase 3A, PTK3, PTK3A, Receptor tyrosine kinase NEP, RTK 6, RTK6, TRK E, TRKE, Tyrosine kinase DDR, Tyrosine kinase receptor E, Tyrosine-protein kinase CAK.
Calculated MW	Calculated MW: 101 kDa; Observed MW: 101 kDa
Uniprot ID	Q08345
Gene ID	780
Background	Tyrosine kinase that functions as cell surface receptor for fibrillar collagen and regulates cell attachment to the extracellular matrix, remodeling of the extracellular matrix, cell migration, differentiation, survival and cell proliferation. Collagen binding triggers a signaling pathway that involves SRC and leads to the activation of MAP kinases. Regulates remodeling of the extracellular matrix by up-regulation of the matrix metalloproteinases MMP2, MMP7 and MMP9, and thereby facilitates cell migration and wound healing. Required for normal blastocyst implantation during pregnancy, for normal mammary gland differentiation and normal lactation. Required for normal ear morphology and normal hearing (By similarity). Promotes smooth



Western Blot - Anti-DDR1 Mouse mAb [15H87Q50]

All lanes: M014282 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 3: A431 (Human epidermoid teratoma cell line) whole cell lysates

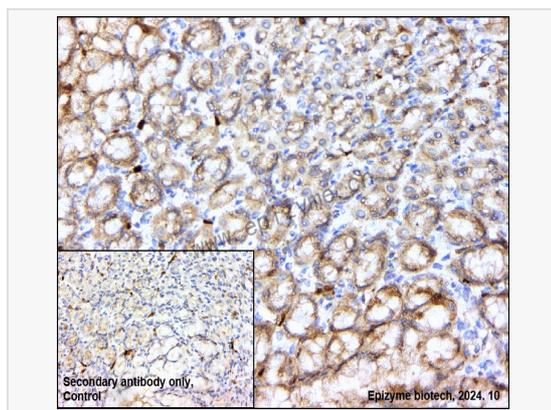
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Mouse IgG(H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 101 kDa

Observed band size: 101 kDa

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



Immunohistochemistry - Anti-DDR1 Mouse mAb [15H87Q50]

Sample: Paraformaldehyde-fixed, paraffin embedded rat stomach tissue

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

Primary antibody: M014282 at 1:200 dilution

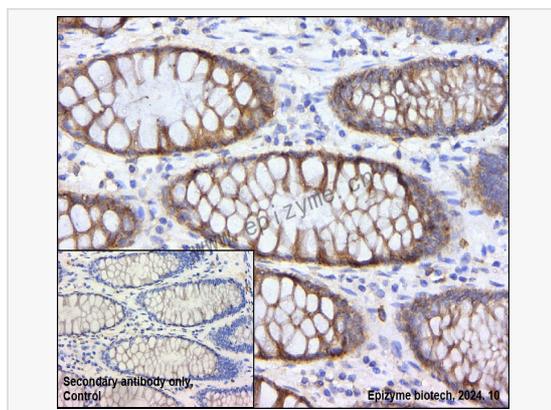
Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP conjugated at 1:1,000 dilution

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-DDR1 Mouse mAb [15H87Q50]

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: M014282 at 1:200 dilution

Secondary antibody: Goat Anti-Mouse 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.