

CD38 Antibody

Rabbit mAb

Catalog # AP90746

Product Information

Application	WB, IHC
Primary Accession	P28907
Reactivity	Human
Clonality	Monoclonal
Other Names	CD38 antigen; ADP ribosyl cyclase 1; Cd38-rs1; ADP ribosyl cyclase; ADP ribosyl cyclase/cyclic ADP-ribose hydrolase; ADP-ribosyl cyclase 1; cADPr hydrolase 1; CD38 antigen (p45); CD38 molecule;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	34328

Additional Information

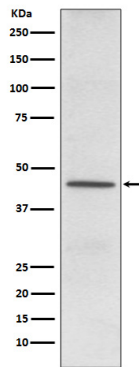
Dilution	WB 1:500~1:2000 IHC 1:100~1:500
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human CD38
Description	CD38 is a transmembrane protein involved in several important biological processes, including immune response, insulin secretion, and social behavior. Synthesizes cyclic ADP-ribose, a second messenger for glucose-induced insulin secretion. Also has cADPr hydrolase activity. Also moonlights as a receptor in cells of the immune system.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	CD38
Function	Synthesizes cyclic ADP-ribose (cADPR), a second messenger for glucose-induced insulin secretion (PubMed: 7961800 , PubMed: 8253715). Synthesizes the Ca(2+) mobilizer nicotinate-adenine dinucleotide phosphate, NAADP(+), from 2'-phospho-cADPR and nicotinic acid, as well as from NADP(+) and nicotinic acid. At both pH 5.0 and pH 7.4 preferentially transforms 2'-phospho-cADPR into NAADP(+), while preferentially cleaving NADP(+) to cADPR and ADPRP rather than into NADDP(+) (PubMed: 16690024). Has cADPR hydrolase activity (PubMed: 7961800 , PubMed: 8253715).
Cellular Location	Cell surface. Membrane; Single-pass type II membrane protein
Tissue Location	Expressed at high levels in pancreas, liver, kidney, brain, testis, ovary,

placenta, malignant lymphoma and neuroblastoma.

Images



Western blot analysis of CD38 expression in HeLa cell lysate.

Image not found : 202311/AP90746-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human tonsil, using CD38 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.