

Product datasheet for **TA804538**

CD38 Mouse Monoclonal Antibody [Clone ID: OT11C9]

Product data:

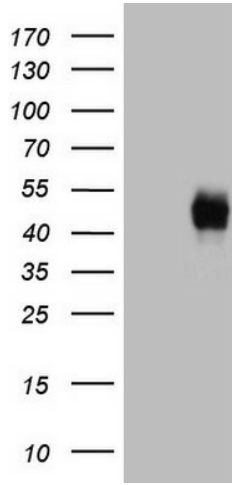
Product Type:	Primary Antibodies
Clone Name:	OT11C9
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 43-300 of human CD38 (NP_001766) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD38 molecule
Database Link:	NP_001766 Entrez Gene 952 Human P28907
Background:	CD38 is a novel multifunctional ectoenzyme widely expressed in cells and tissues especially in leukocytes. CD38 also functions in cell adhesion, signal transduction and calcium signaling. [provided by RefSeq, Jul 2008]
Synonyms:	ADPRC 1; T10
Protein Families:	Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transmembrane



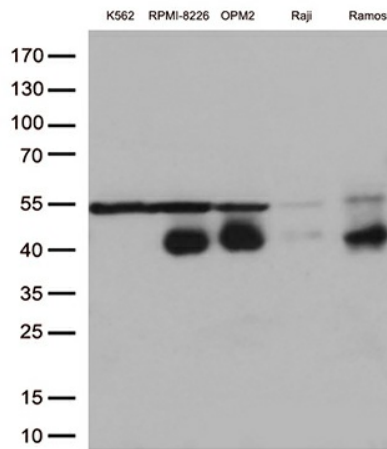
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Protein Pathways:

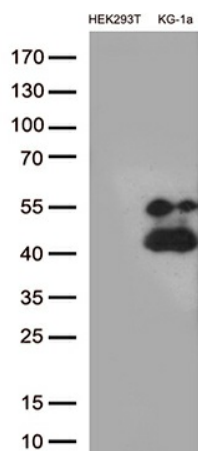
Calcium signaling pathway, Hematopoietic cell lineage, Metabolic pathways, Nicotinate and nicotinamide metabolism

Product images:


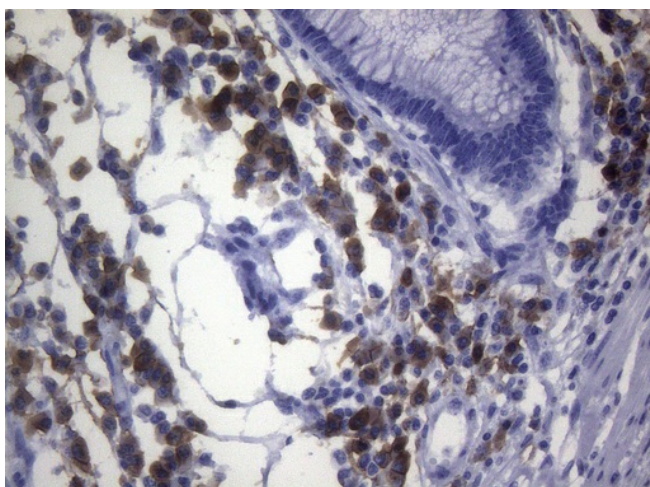
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CD38 (Cat# [RC203179], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD38 (Cat# TA804538)(1:2000). Positive lysates [LY419752] (100ug) and [LC419752] (20ug) can be purchased separately from OriGene.



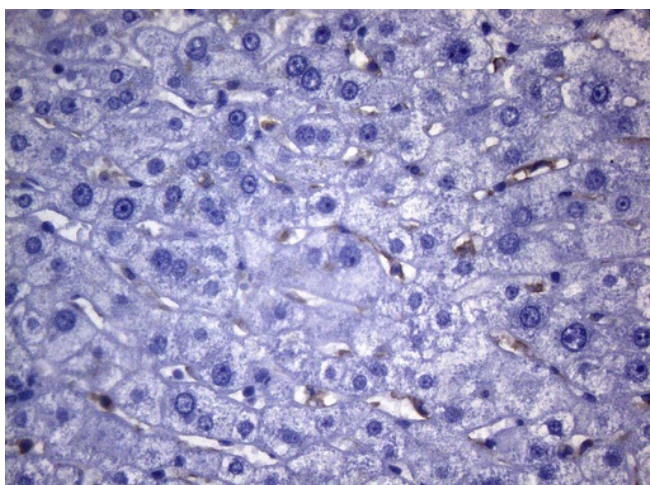
Western blot analysis of extracts (35ug) from 5 cell lines lysates by using anti-CD38 monoclonal antibody (1:500).



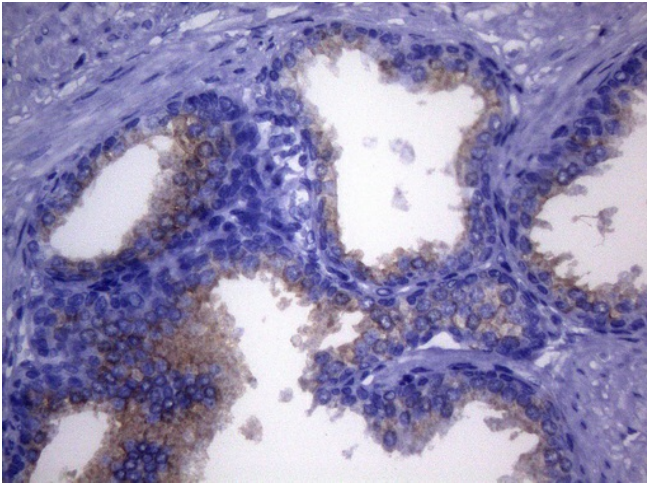
Western blot analysis of extracts (35ug) from 2 cell lines lysates by using anti-CD38 monoclonal antibody (1:500).



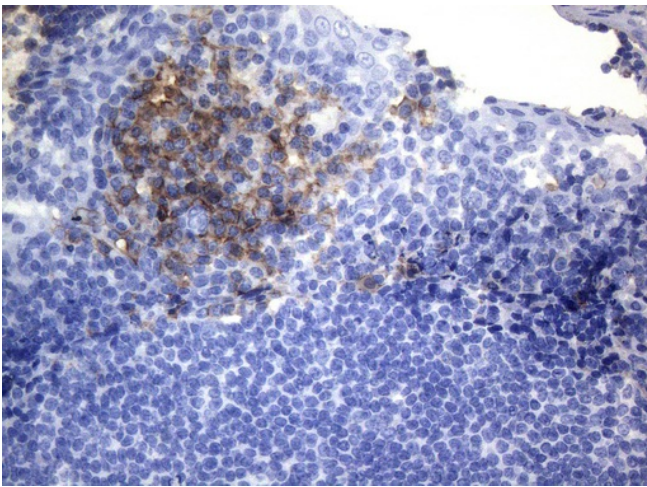
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-CD38 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, TA804538) (1:150)



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-CD38 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, TA804538) (1:150)



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-CD38 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, TA804538) (1:150)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-CD38 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, TA804538) (1:150)