10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

C6orf25 Rabbit pAb

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Catalog # AP55895

Product Information

Application	WB
Primary Accession	O95866
Reactivity	Mouse
Predicted	Rat, Human, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26163
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C6orf25
Epitope Specificity	1-100/241
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Isoform E: Endoplasmic reticulum. Golgi apparatus.Isoform D: Endoplasmic reticulum. Golgi apparatus.Isoform B: Cell membrane; Single-pass type I membrane protein.Isoform A: Cell membrane; Single-pass type I membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	C6orf25 is a member of the immunoglobulin (Ig) superfamily and is located in the major histocompatibility complex (MHC) class III region. It is a glycosylated, plasma membrane-bound cell surface receptor, but soluble isoforms encoded by some transcript variants have been found in the endoplasmic reticulum and Golgi before being secreted. Multiple transcript variants encoding different isoforms have been found for this gene.

Additional Information

Gene ID	80739
Other Names	Megakaryocyte and platelet inhibitory receptor G6b {ECO:0000312|HGNC:HGNC:13937}, Protein G6b, MPIG6B (HGNC:13937)
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MPIG6B (HGNC:13937)
Function	Inhibitory receptor that acts as a critical regulator of hematopoietic lineage differentiation, megakaryocyte function and platelet production (PubMed:12665801, PubMed:17311996, PubMed:27743390). Inhibits platelet aggregation and activation by agonists such as ADP and collagen-related peptide (PubMed:12665801). This regulation of megakaryocate function as well as platelet production ann activation is done through the inhibition (via the 2 ITIM motifs) of the receptors CLEC1B and GP6:FcRgamma signaling (PubMed:17311996). Appears to operate in a calcium-independent manner (PubMed:12665801).
Cellular Location	[Isoform E]: Endoplasmic reticulum. Golgi apparatus [Isoform B]: Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed in platelets. Expressed in a restricted set of hematopoietic cell lines including the erythroleukemia cell line K-562 and the T-cell leukemia cell lines MOLT-4 and Jurkat. Not detected in the monocyte-like cell line U-937, the B-cell-like cell line Raji, the fibroblast cell lines TK and HeLa, or the natural killer cell lines NKL, NK 62 and YT.

Background

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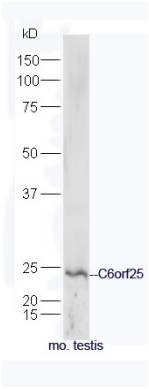
Images



Protein: mouse testis lysate;
Primary: rabbit Anti-C6orf25 (AP55895) at 1:300;
Secondary: HRP conjugated Goat-Anti-rabbit IgG(AP55895-HRP) at 1: 5000;
Predicted band size: 24 kD
Observed band size: 24 kD