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Anti-EOS Antibody

Catalog # AP51453

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q8NF86
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29787

Additional Information

Gene ID	260429
Other Names	Serine protease 33; Serine protease EOS
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EOS. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

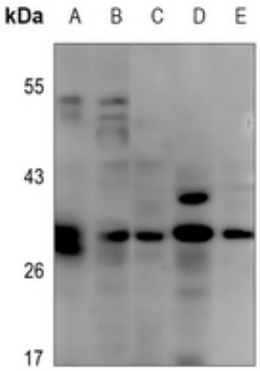
Name	PRSS33
Function	Serine protease that has amidolytic activity, cleaving its substrates before Arg residues.
Cellular Location	Secreted.
Tissue Location	Predominantly expressed in macrophages. Present in the spleen, small and large intestine, lung and brain (at protein level). Highly expressed in peripheral leukocytes, ovary, retina, spleen and stomach. Moderately expressed in thymus, uterus and platelets, as well as some brain tissues, such as thalamus and fetal brain.

References

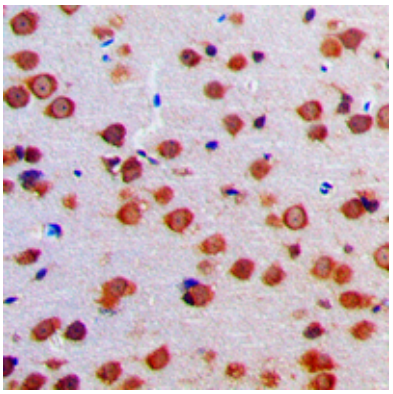
Chen C.,et al.Biochem. J. 374:97-107(2003).

Martin J.,et al.Nature 432:988-994(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

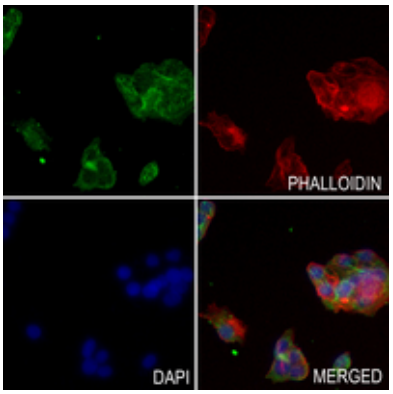
Images



Western blot analysis of EOS expression in Jurkat (A), HGC27 (B), mouse brain (C), rat spleen (D), rat brain (E) whole cell lysates. (Predicted band size: 29 kD; Observed band size: 33 kD)



Immunohistochemical analysis of EOS staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of EOS staining in HEPG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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