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

Recombinant Anti-SLFN12 Rabbit mAb

Catalog # AP95404

Product Information

Application	WB, FC
Primary Accession	Q8IYM2
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	66972

Additional Information

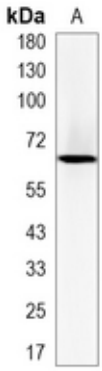
Gene ID	55106
Other Names	Schlafen family member 12
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human SLFN12 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	SLFN12 (HGNC:25500)
Function	Ribonuclease which is part of an E2/17beta-estradiol-induced pro-apoptotic signaling pathway. E2 stabilizes the PDE3A/SLFN12 complex in the cytosol, promoting the dephosphorylation of SLFN12 and activating its pro-apoptotic ribosomal RNA/rRNA ribonuclease activity. This apoptotic pathway might be relevant in tissues with high concentration of E2 and be for instance involved in placenta remodeling (PubMed:31420216, PubMed:34272366, PubMed:34707099, PubMed:35104454). May play a role in cell differentiation (PubMed:30045019).
Cellular Location	Nucleus. Cytoplasm, cytosol

Images

Western blot analysis of SLFN12 expression in K562 (A)



whole cell lysates. (Predicted band size: 66 kD; Observed band size: 66 kD)

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