



# Stonin-1 rabbit pAb

Cat No.:ES4585

For research use only

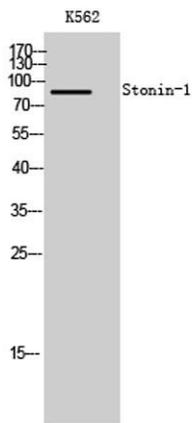
## Overview

<b>Product Name</b>	Stonin-1 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human STON1. AA range:686-735
<b>Specificity</b>	Stonin-1 Polyclonal Antibody detects endogenous levels of Stonin-1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Stonin-1
<b>Gene Name</b>	STON1
<b>Cellular localization</b>	Cytoplasm . Membrane . Some fraction is membrane-associated.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	83kD
<b>Human Gene ID</b>	11037
<b>Human Swiss-Prot Number</b>	Q9Y6Q2
<b>Alternative Names</b>	STON1; SALF; SBLF; STN1; Stonin-1; Stoned B-like factor
<b>Background</b>	stonin 1(STON1) Homo sapiens Endocytosis of cell surface proteins is mediated by a complex molecular machinery that assembles on the inner

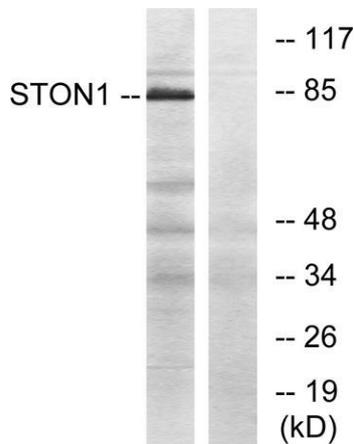




surface of the plasma membrane. This gene encodes one of two human homologs of the *Drosophila melanogaster* stoned B protein. This protein is related to components of the endocytic machinery and exhibits a modular structure consisting of an N-terminal proline-rich domain, a central region of homology specific to the human stoned B-like proteins, and a C-terminal region homologous to the mu subunits of adaptor protein (AP) complexes. Read-through transcription of this gene into the neighboring downstream gene, which encodes TFIIA-alpha/beta-like factor, generates a transcript (SALF), which encodes a fusion protein comprised of sequence sharing identity with each individual gene product. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2010],



Western Blot analysis of K562 cells using Stonin-1 Polyclonal Antibody

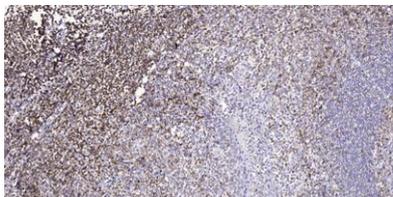


Western blot analysis of lysates from K562 cells, using STON1 Antibody. The lane on the right is blocked with the synthesized peptide.





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Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA, pH 9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4° overnight). 3, Secondary antibody was diluted at 1:200 (room temperature, 45 min).



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