

Datasheet for ABIN7266388

anti-Chromosome 7 Open Reading Frame 20 (C7orf20) (AA 1-327) antibody



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1 Image

Overview

Quantity:	100 µL
Target:	Chromosome 7 Open Reading Frame 20 (C7orf20)
Binding Specificity:	AA 1-327
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	GET4 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-327 of human GET4 (NP_057033.2).
Sequence:	<p>MAAAAAMAEQ ESARNGGRNR GGVQRVEGKL RASVEKGDYY EAHQMYRTL FRYMSQSKHT</p> <p>EARELMYSGA LLFFSHGQQN SAADLSMLVL ESLEKAEVEV ADELLENLAK VFSLMDPNSP</p> <p>ERVTFVSRAL KWSSGGSGKL GHPRLHQLLA LTLWKEQNYC ESRYHFLHSA DGEGCANMLV</p> <p>EYSTSRGFRS EVDMFVAQAV LQFLCLKNKS SASVVFTTYT QKHPSIEDGP PFVEPLL NFI</p> <p>WFLLLAVDGG KLT VFTVLCE QYQPSLRRDP MYNEYLD RIG QLFFGVPPKQ TSSYGGL LGN</p> <p>LLTSLMGSS E QEDGEES PSD GSPIELD</p>
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat

Product Details

Characteristics: Polyclonal Antibodies

Purification: Affinity purification

Target Details

Target: Chromosome 7 Open Reading Frame 20 (C7orf20)

Alternative Name: GET4 ([C7orf20 Products](#))

Background: As part of a cytosolic protein quality control complex, the BAG6/BAT3 complex, maintains misfolded and hydrophobic patches-containing proteins in a soluble state and participates in their proper delivery to the endoplasmic reticulum or alternatively can promote their sorting to the proteasome where they undergo degradation. The BAG6/BAT3 complex is involved in the post-translational delivery of tail-anchored/type II transmembrane proteins to the endoplasmic reticulum membrane. Recruited to ribosomes, it interacts with the transmembrane region of newly synthesized tail-anchored proteins and together with SGTA and ASNA1 mediates their delivery to the endoplasmic reticulum. Client proteins that cannot be properly delivered to the endoplasmic reticulum are ubiquitinated and sorted to the proteasome. Similarly, the BAG6/BAT3 complex also functions as a sorting platform for proteins of the secretory pathway that are mislocalized to the cytosol either delivering them to the proteasome for degradation or to the endoplasmic reticulum. The BAG6/BAT3 complex also plays a role in the endoplasmic reticulum-associated degradation (ERAD, a quality control mechanism that eliminates unwanted proteins of the endoplasmic reticulum through their retrotranslocation to the cytosol and their targeting to the proteasome. It maintains these retrotranslocated proteins in an unfolded yet soluble state condition in the cytosol to ensure their proper delivery to the proteasome.,GET4,C7orf20,CEE,CGI-20,TRC35,Cell Biology & Developmental Biology,GET4

Molecular Weight: 30kDa/36kDa

Gene ID: 51608

UniProt: [Q7L5D6](#)

Application Details

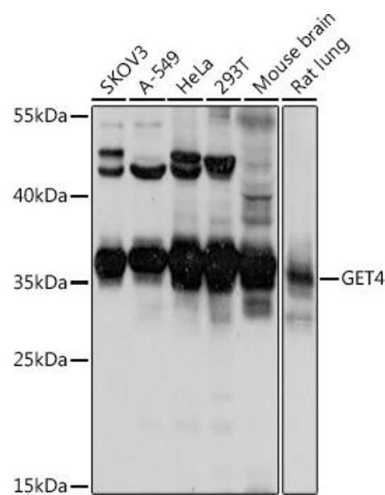
Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using GET4 antibody (ABIN7266388) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 3s.