

ARG59759 anti-IST1 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IST1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Gpig, Hrs, Rb, Zfsh
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IST1
Species	Human
Immunogen	Synthetic peptide around the N-terminal region of Human IST1. (within the following region: INRLKLEKKKTELAQKARKEIADYLAAGKDERARIRVEHIIREDYLVEA)
Conjugation	Un-conjugated
Alternate Names	hIST1; IST1 homolog; OLC1; Putative MAPK-activating protein PM28

Application Instructions

Predict Reactivity Note	Predicted Homology Based On Immunogen Sequence: Cow: 100%; Dog: 100%; Guinea pig: 100%; Horse: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%				
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1 µg/ml</td></tr> </table>	Application	Dilution	WB	1 µg/ml
Application	Dilution				
WB	1 µg/ml				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

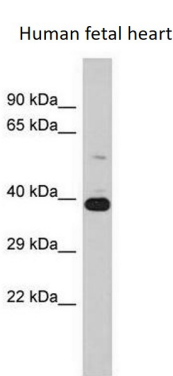
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IST1
Gene Full Name	increased sodium tolerance 1 homolog (yeast)
Background	This gene encodes a protein with MIT-interacting motifs that interacts with components of endosomal sorting complexes required for transport (ESCRT). ESCRT functions in vesicle budding, such as that which occurs during membrane abscission in cytokinesis. There is a pseudogene for this gene on chromosome 19. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2012]
Function	Proposed to be involved in specific functions of the ESCRT machinery. Is required for efficient abscission during cytokinesis, but not for HIV-1 budding. The involvement in the MVB pathway is not established. Involved in recruiting VPS4A and/or VPS4B to the midbody of dividing cells. [UniProt]
Calculated Mw	40 kDa
Cellular Localization	Cytoplasmic vesicle. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Midbody. Nucleus envelope. Note=Localizes to centrosome and midbody of dividing cells (PubMed:19129480, PubMed:19129479, PubMed:20719964). Colocalized with SPART to the ends of Flemming bodies during cytokinesis (PubMed:20719964). Localizes to the nuclear envelope during late anaphase (PubMed:26040712). [UniProt]

Images



ARG59759 anti-IST1 antibody WB image

Western blot: Human fetal heart lysate stained with ARG59759 anti-IST1 antibody at 1 µg/ml dilution.