

Rabbit anti-Human HIG1 Polyclonal Antibody | anti-HIGD1A antibody

HIG1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40275	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

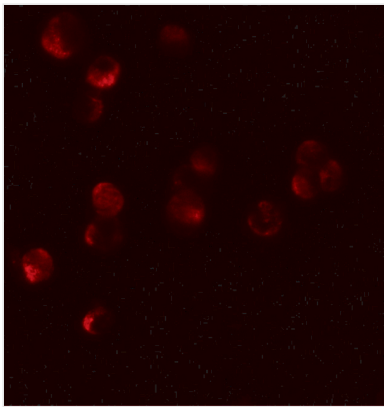
PRODUCT SYNONYMS

HIG1; Polyclonal Antibody; HIG1 Antibody; RCF1a; HSPC010; HIG1 domain family member 1A; mitochondrial; Hypoxia-inducible gene 1 protein; HIG1 hypoxia inducible domain family; member 1A; anti-HIGD1A antibody

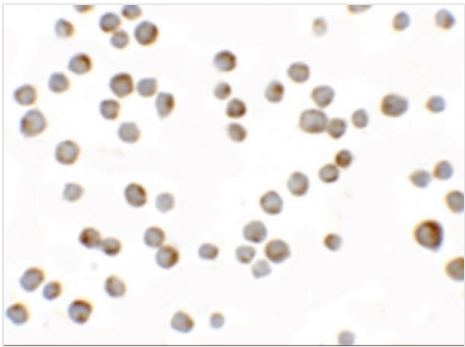
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	HIG1 antibody is predicted to not cross-react with HIG2
Purity/Purification	HIG1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	107
Applicable Applications for anti-HIGD1A antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	HIG1 antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human HIG1.
Buffer	HIG1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	HIG1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

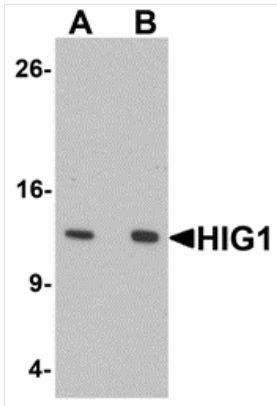
IMAGES



IF (Immunofluorescence)
Immunofluorescence of HIG1 in 293 cells tissue with HIG1 antibody at 10 μg/mL.



ICC (Immunocytochemistry)
Immunocytochemistry of HIG1 in 293 cells with HIG1 antibody at 2.5 μg/mL.



WB (Western Blot)
Western blot analysis of HIG1 in 293 cell lysate with HIG1 antibody at at (A) 0.5 and (B) 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-HIGD1A antibody

HIG1 Antibody: HIG1 and HIG2 (Hypoxia-inducible gene 1 and 2, respectively) are known to be induced by hypoxic conditions. HIG1 is induced by hypoxia and by glucose deprivation in cultured cells. In addition, tumor xenografts derived from human cervical cancer cells display increased expression of HIG1 and HIG2 when they are deprived of oxygen. Unlike HIG2, which is ubiquitously expressed and might be an activator and target of the canonical Wnt pathway, the function and the mechanisms underlying its regulation of HIG1 still remained unknown. The putative link between hypoxia and an oncogenic signaling pathway might play an important role in tumorigenesis.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153085461
NCBI GeneID	25994
NCBI Accession #	NP_001093138
NCBI GenBank Nucleotide #	NM_001099668.1
UniProt Accession #	Q9Y241; Q9UFZ2
Molecular Weight	11,770 Da
NCBI Official Full Name	HIG1 domain family member 1A, mitochondrial isoform a
NCBI Official Synonym Full Names	HIG1 hypoxia inducible domain family, member 1A
NCBI Official Symbol	HIGD1A

NCBI Official Synonym Symbols	HIG1; RCF1a
NCBI Protein Information	HIG1 domain family member 1A, mitochondrial; RCF1 homolog A; hypoxia inducible gene 1; HIG1 domain family, member 1A; hypoxia-inducible gene 1 protein
UniProt Protein Name	HIG1 domain family member 1A, mitochondrial
UniProt Gene Name	HIGD1A
UniProt Synonym Gene Names	HIG1; RCF1a
UniProt Entry Name	HIG1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hig1-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/40275>