

HIG2 Antibody

Catalog No: #25358

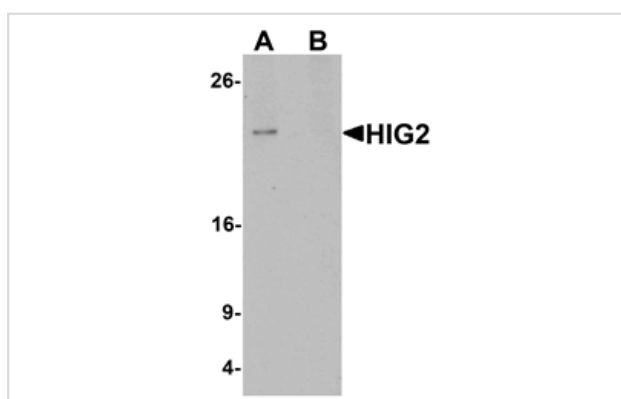
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Description

Product Name	HIG2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms
Specificity	At least two isoforms of HIG2 are known to exist; this antibody will detect both isoforms. HIG2 antibody is predicted to not cross-react with HIG1
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide near the carboxy terminus of human HIG2.
Target Name	HIG2
Other Names	Hypoxia-inducible gene 2 protein, HIG-2
Accession No.	Swiss-Prot:Q9Y5L2Gene ID:192286
Uniprot	Q9Y5L2
GeneID	192286;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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



Western blot analysis of HIG2 in 3T3 cell lysate with HIG2 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.

Background

HIG1 and HIG2 (Hypoxia-inducible gene 1 and 2, respectively) are known to be induced by hypoxic conditions. HIG2 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.

Note: This product is for in vitro research use only