

Anti-HIG1 HIGD1A Antibody

Catalog Number: A09742

About HIGD1A

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.

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Overview

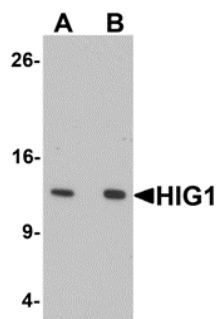
Product Name	Anti-HIG1 HIGD1A Antibody
Reactive Species	Human
Description	Boster Bio Anti-HIG1 HIGD1A Antibody (Catalog # A09742). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	HIG1 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	HIG1 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9Y241

Technical Details

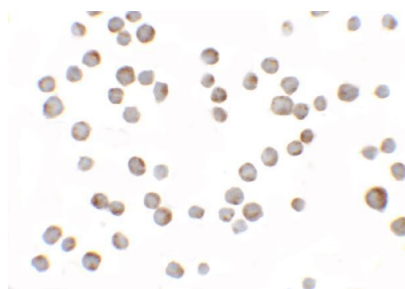
Immunogen	HIG1 antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human HIG1. The immunogen is located within the first 50 amino acids of HIG1.
Predicted Reactive Species	Mouse, Rat
Cross Reactivity	HIG1 antibody is predicted to not cross-react with HIG2

Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	HIG1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	HIG1 antibody can be used for detection of HIG1 by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 2.5 ug/mL. For immunofluorescence start at 10 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

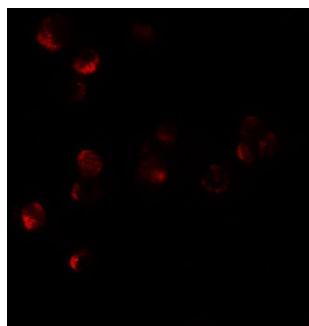
Anti-HIG1 HIGD1A Antibody (A09742) Images



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



Immunocytochemistry of HIG1 in 293 cells with HIG1 antibody at 2.5 ug/mL.



Immunofluorescence of HIG1 in 293 cells tissue with HIG1 antibody at 10 ug/mL.

[Anti-HIG1 HIGD1A Antibody](#)

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