PIG3 antibody

Catalog No: #22678

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	PIG3 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Purified by antigen-affinity chromatography.
Applications	WB IHC IF
Species Reactivity	Hu
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 302 of PIG3
Target Name	PIG3
Accession No.	Swiss-Prot:Q53FA7Gene ID:9540
Uniprot	Q53FA7
GeneID	9540;
Concentration	1mg/ml
Formulation	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

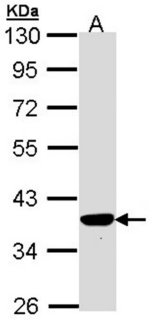
Predicted MW: 36kd

Western blotting: 1:500-1:3000

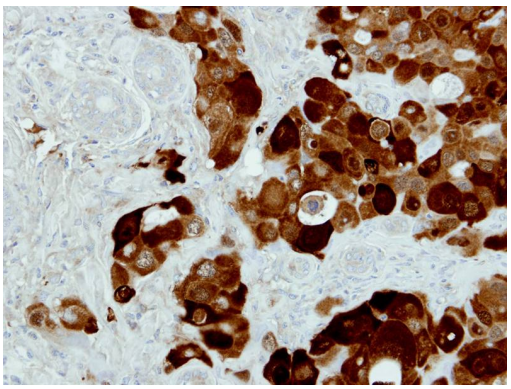
Immunohistochemistry: 1:50-1:500

Immunofluorescence: 1:100-1:200

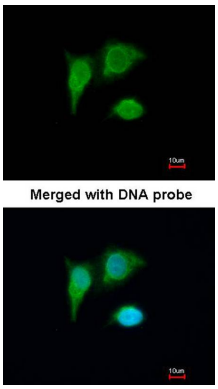
Images



Sample (30 ug of whole cell lysate)
A: Hep G2
10% SDS PAGE
Primary antibody diluted at 1: 1000



Immunohistochemical analysis of paraffin-embedded H441 xenograft, using PIG3 antibody at 1: 500 dilution.



Immunofluorescence analysis of paraformaldehyde-fixed A549, using PIG3 antibody at 1: 200 dilution.

Background

The protein encoded by this gene is similar to oxidoreductases, which are enzymes involved in cellular responses to oxidative stresses and irradiation. This gene is induced by the tumor suppressor p53 and is thought to be involved in p53-mediated cell death. It contains a p53 consensus binding site in its promoter region and a downstream pentanucleotide microsatellite sequence. P53 has been shown to transcriptionally activate this gene by interacting with the downstream pentanucleotide microsatellite sequence. The microsatellite is polymorphic, with a varying number of pentanucleotide repeats directly correlated with the extent of transcriptional activation by p53. It has been suggested that the microsatellite polymorphism may be associated with differential susceptibility to cancer. At least two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Note: This product is for in vitro research use only