

HSP40 Polyclonal Antibody

Catalog No :	YT2254
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	HSP40
Fields :	>>Protein processing in endoplasmic reticulum;>>Influenza A
Gene Name :	DNAJB1
Protein Name :	DnaJ homolog subfamily B member 1
Human Gene Id :	3337
Human Swiss Prot No :	P25685
Mouse Gene Id :	81489
Mouse Swiss Prot No :	Q9QYJ3
Immunogen :	The antiserum was produced against synthesized peptide derived from human HSP40. AA range:271-320
Specificity :	HSP40 Polyclonal Antibody detects endogenous levels of HSP40 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 45kD

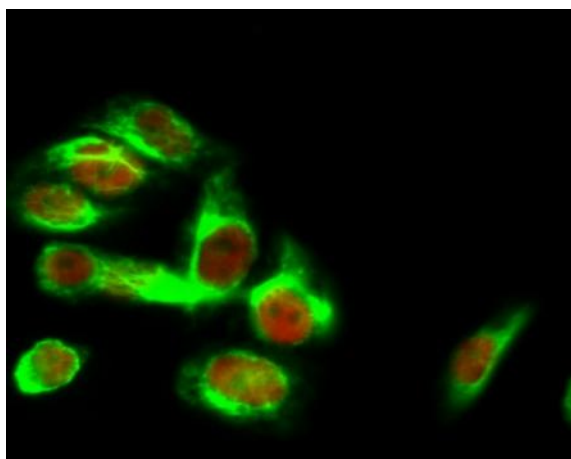
Background : This gene encodes a member of the DnaJ or Hsp40 (heat shock protein 40 kD) family of proteins. DNAJ family members are characterized by a highly conserved amino acid stretch called the 'J-domain' and function as one of the two major classes of molecular chaperones involved in a wide range of cellular events, such as protein folding and oligomeric protein complex assembly. The encoded protein is a molecular chaperone that stimulates the ATPase activity of Hsp70 heat-shock proteins in order to promote protein folding and prevent misfolded protein aggregation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015],

Function : function:Interacts with HSP70 and can stimulate its ATPase activity. Stimulates the association between HSC70 and HIP.,induction:By heat shock.,similarity:Contains 1 J domain.,subcellular location:Translocates rapidly from the cytoplasm to the nucleus, and especially to the nucleoli, upon heat shock.,subunit:Interacts with DNAJC3.,

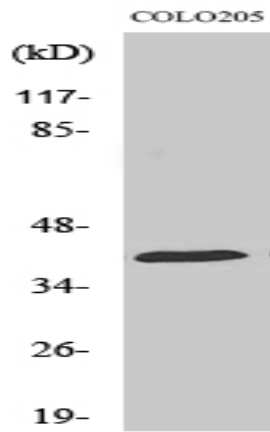
Subcellular Location : Cytoplasm . Nucleus . Nucleus, nucleolus . Translocates rapidly from the cytoplasm to the nucleus, and especially to the nucleoli, upon heat shock.

Expression : Brain,Heart,Lung,Placenta,

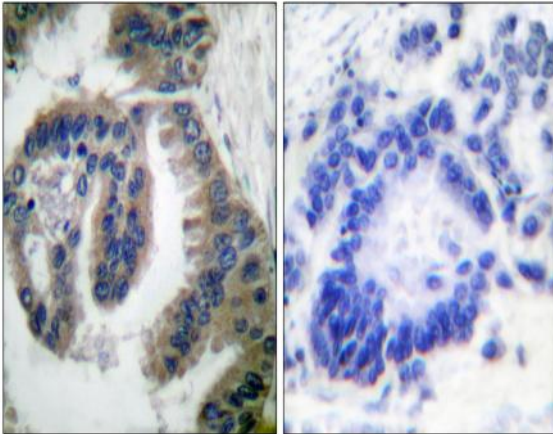
Products Images



Immunofluorescence analysis of HeLa cell. 1,HSP40 Polyclonal Antibody(red) was diluted at 1:200(4° overnight). Caspase-8 Monoclonal Antibody(2G12)(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog:RS3611 was diluted at 1:1000(room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog:RS3208 was diluted at 1:1000(room temperature, 50min).



Western Blot analysis of various cells using HSP40 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using HSP40 Antibody. The picture on the right is blocked with the synthesized peptide.