Best Tools for immunology Research

Bag-3 Polyclonal Antibody

Catalog No :	YT0440
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Bag-3
Gene Name :	BAG3
Protein Name :	BAG family molecular chaperone regulator 3
Human Gene Id :	9531
Human Swiss Prot No :	O95817
Mouse Gene Id :	29810
Mouse Swiss Prot No :	Q9JLV1
Immunogen :	The antiserum was produced against synthesized peptide derived from human BAG3. AA range:411-460
Specificity :	Bag-3 Polyclonal Antibody detects endogenous levels of Bag-3 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. ELISA: 1:40000.. IF 1:50-200
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 : 80kD

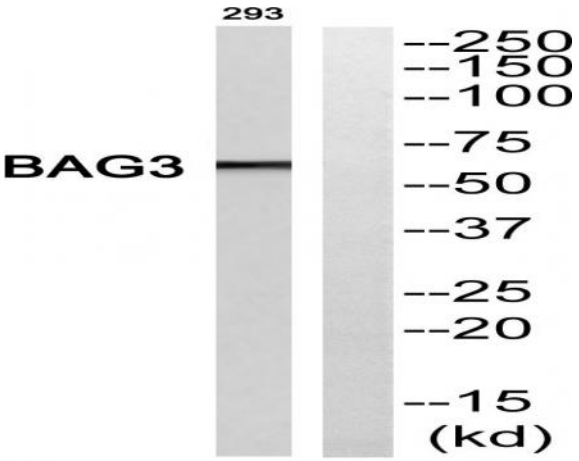
Background : BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain and promote substrate release. All the BAG proteins have an approximately 45-amino acid BAG domain near the C terminus but differ markedly in their N-terminal regions. The protein encoded by this gene contains a WW domain in the N-terminal region and a BAG domain in the C-terminal region. The BAG domains of BAG1, BAG2, and BAG3 interact specifically with the Hsc70 ATPase domain in vitro and in mammalian cells. All 3 proteins bind with high affinity to the ATPase domain of Hsc70 and inhibit its chaperone activity in a Hip-repressible manner. [provided by RefSeq, Jul 2008],

Function : function:Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release. Has anti-apoptotic activity.,similarity:Contains 1 BAG domain.,similarity:Contains 2 WW domains.,subunit:Binds to the ATPase domain of HSP70/HSC chaperones. Binds to Bcl-2 and PLC-gamma.,

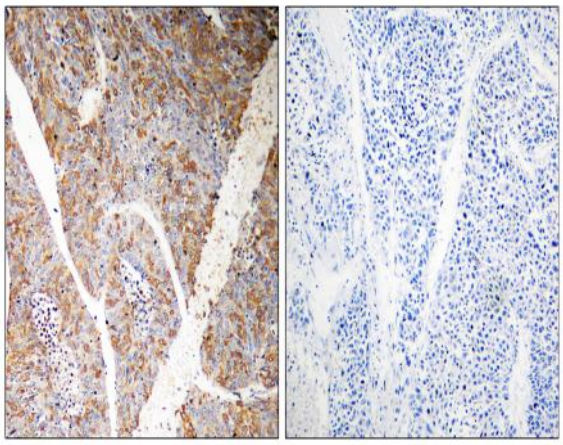
Subcellular Location : Nucleus . Cytoplasm . Colocalizes with HSF1 to the nucleus upon heat stress (PubMed:26159920). .

Expression : Brain,Epithelium,Liver,Lung,Placenta,T-cell,Testis,Tongue,

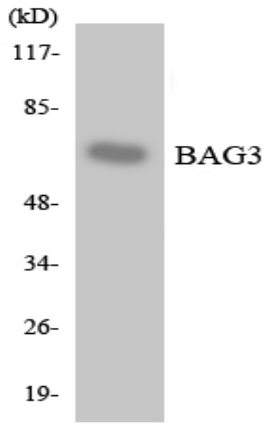
Products Images



Western blot analysis of BAG3 Antibody. The lane on the right is blocked with the BAG3 peptide.



Immunohistochemistryt analysis of paraffin-embedded human liver carcinoma, using BAG3 Antibody. The lane on the right is blocked with the BAG3 peptide.



Western blot analysis of the lysates from K562 cells using BAG3 antibody.