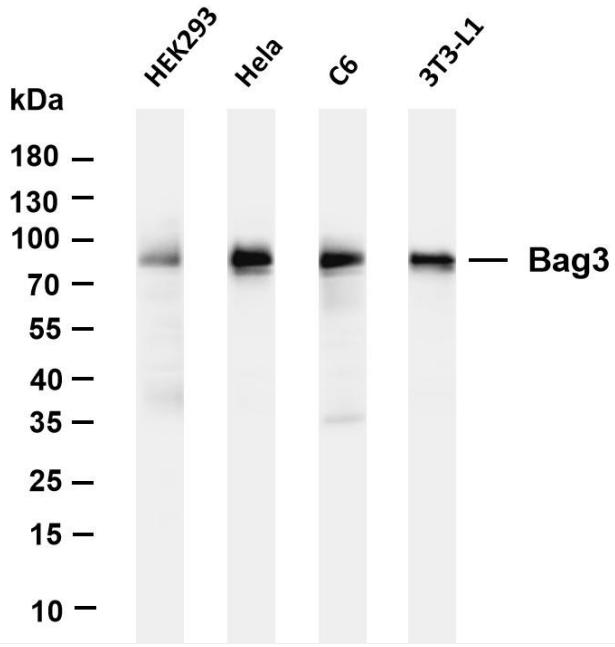
Bag3 Rabbit mAb

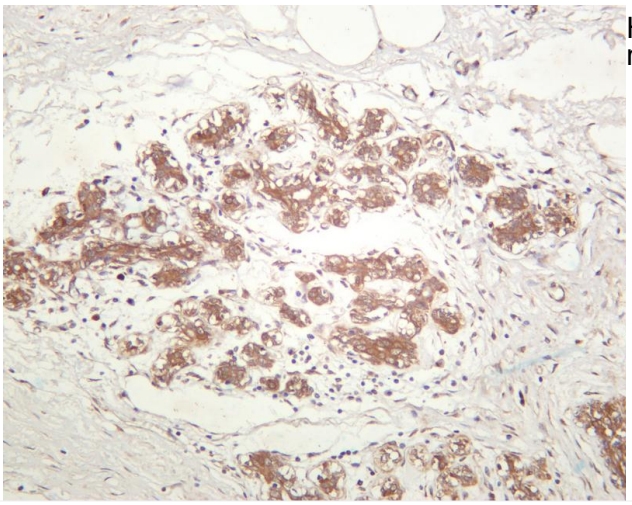
Catalog No	YP-rAb-17901
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	BAG3 BIS
Protein Name	BAG family molecular chaperone regulator 3
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:1000-1:5000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	BAG3 ; BIS ; BAG family molecular chaperone regulator 3 ; BAG-3 ; Bcl-2-associated athanogene 3 ; Bcl-2-binding protein Bis ; Docking protein CAIR-1
Observed Band	80kD
Calculated Molecular Weight	62kD
Cell Pathway	Cytoplasm, Nucleus
Tissue Specificity	Brain,Epithelium,Liver,Lung,Placenta,T-cell,Testis,Tongue,
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.,
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],

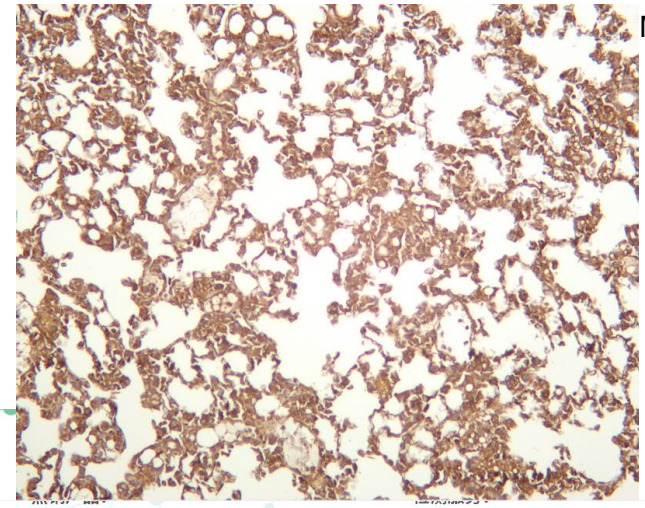
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



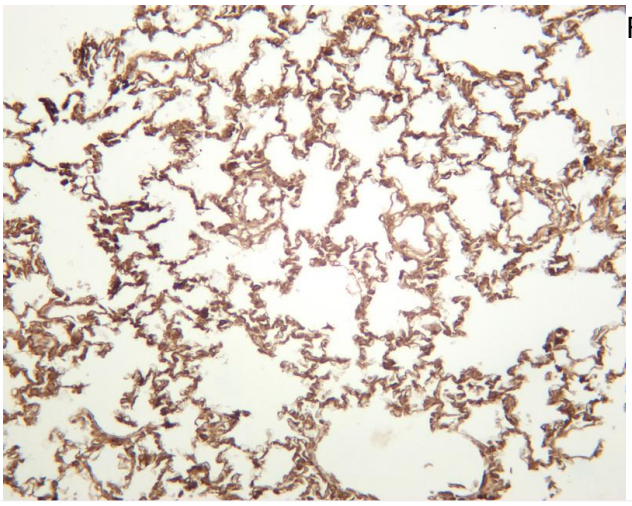
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Bag3 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HEK293 Lane 2: Hela Lane 3: C6 Lane 4: 3T3-L1 Predicted band size: 62kDa Observed band size: 80kDa



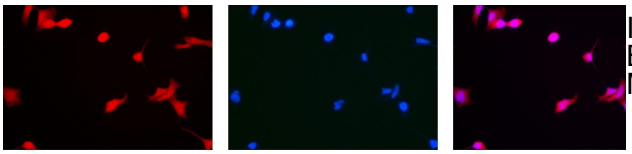
Human breast carcinoma was stained with anti-Bag3 rabbit antibody



Mouse lung was stained with anti-Bag3 rabbit antibody



Rat lung was stained with anti-Bag3 rabbit antibody



A B C

Immunofluorescence analysis of HEK293. Picture A: Bag3 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B