

## BAG2 Antibody

Catalog No: #43282

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## Description

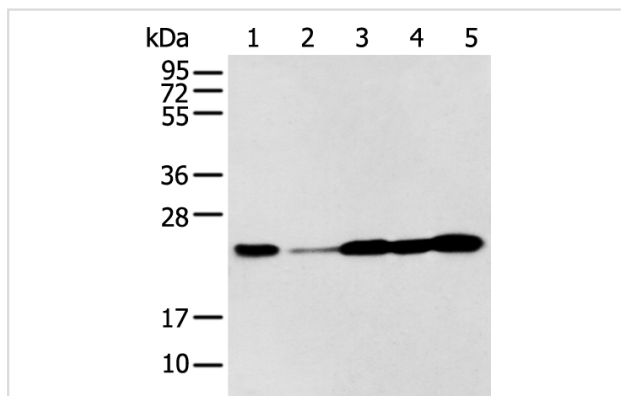
Product Name	BAG2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total BAG2 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human BAG2
Target Name	BAG2
Other Names	BAG-2; dJ41711.2
Accession No.	Swiss-Prot#: O95816 Gene ID: 9532
Uniprot	O95816
GeneID	9532;
Calculated MW	24kd
Concentration	1.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:10-1:50

## Images



Gel: 12%SDS-PAGE

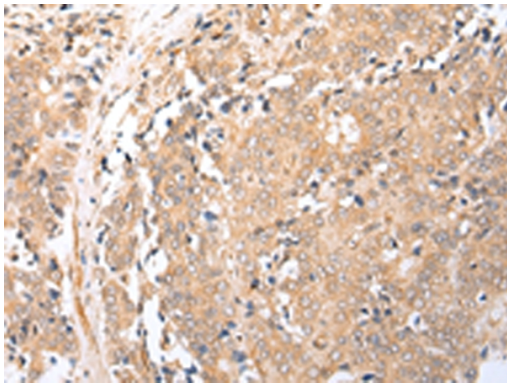
Lysate: 40 µg

Lane 1-5: A549B£B-A431, HelaB£B-Jurkat and HEPG2 cell

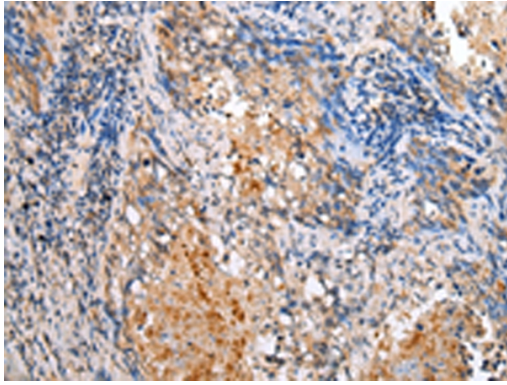
Primary antibody: 1/300 dilution

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 3 seconds



Immunohistochemical analysis of paraffin-embedded Human prostate cancer tissue using #43282 at dilution 1/25.



Immunohistochemical analysis of paraffin-embedded Human lung cancer tissue using #43282 at dilution 1/25.

## 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 predicted BAG2 protein contains 211 amino acids. 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.

Note: This product is for in vitro research use only