ARG22266
anti-Hsp 40 antibody [3B9.E6]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [3B9.E6] recognizes Hsp 40
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, ICC/IF, IHC-P, IP, WB
Specificity	Detects ~40kDa. Does not cross-react with HDJ2 or YDJ1.
Host	Mouse
Clonality	Monoclonal
Clone	3B9.E6
Isotype	IgG1
Target Name	Hsp 40
Species	Human
Immunogen	Recombinant Protein HSP40
Conjugation	Un-conjugated
Alternate Names	Hsp40; HSP40; DnaJ protein homolog 1; hDj-1; HSPF1; Human DnaJ protein 1; Hdj1; RSPH16B; Heat shock 40 kDa protein 1; DnaJ homolog subfamily B member 1; Heat shock protein 40; Sis1

Application Instructions

Application table

Application	Dilution
ELISA	Assay-dependent
ICC/IF	1:100
IHC-P	Assay-dependent
IP	Assay-dependent
WB	1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

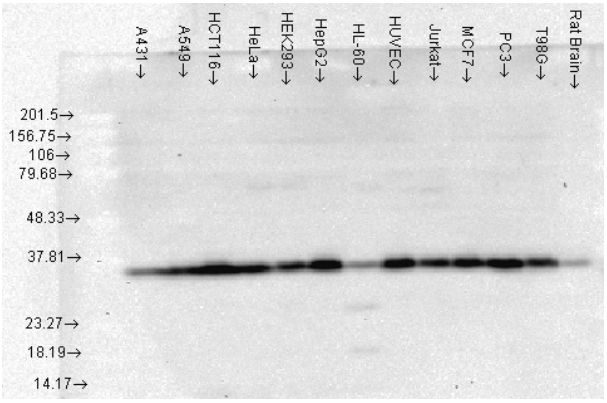
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.2), 0.09% Sodium azide and 50% Glycerol
Preservative	0.09% Sodium azide
Stabilizer	50% Glycerol

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 3337 Human GeneID: 81489 Mouse Swiss-port # P25685 Human Swiss-port # Q9QYJ3 Mouse
Gene Symbol	DNAJB1
Gene Full Name	DnaJ (Hsp40) homolog, subfamily B, member 1
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	Interacts with HSP70 and can stimulate its ATPase activity. Stimulates the association between HSC70 and HIP. [UniProt]
Calculated Mw	38 kDa
Cellular Localization	Cytoplasm, Nucleus

Images



ARG22266 anti-Hsp 40 antibody [3B9.E6] WB image

Western blot: Human cell lysates and Rat brain lysate stained with ARG22266 anti-Hsp 40 antibody [3B9.E6] at 1:1000 dilution.