Rabbit anti-Human CAS Polyclonal Antibody | anti-CAS antibody

CAS Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322494	**Rabbit**	**Human**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

CAS; Polyclonal Antibody; CAS Antibody; Cellular apoptosis susceptibility protein; Chromosome segregation 1 (yeast homolog) like; Chromosome segregation 1 Like; Chromosome segregation 1 like protein; Chromosome segregation 1-like protein; Chromosome segregation gene CSE1; CSE 1; CSE 1 chromosome segregation 1 like; CSE 1 chromosome segregation 1 like protein; CSE 1L; CSE1; CSE1 chromosome segregation 1 like (yeast); CSE1 chromosome segregation 1 like; CSE1 chromosome segregation 1 like protein; CSE1L; Exp 2; Exp2; Exportin 2; Exportin-2; Exportin2; Importin alpha re exporter; Importin-alpha re-exporter; MGC117283; MGC130036; MGC130037; XPO 2; XPO2; XPO2_HUMAN; anti-CAS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	CAS antibody detects endogenous levels of total CAS
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	915
Applicable Applications for anti-CAS antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CAS
Subcellular Location	Cytoplasm. Nucleus. Shuttles between the nucleus and the cytoplasm.
Tissue Specificity	Detected in brain, placenta, ovary, testis and trachea (at protein level) (PubMed:10331944). Widely expressed (PubMed:10331944). Highly expressed in testis and in proliferating cells (PubMed:7479798, PubMed:10331944).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

WB (Western Blot)
Western blot analysis of CAS using 293 whole cell lysates

IF (Immunofluorescence)
AAA322494 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CAS antibody	Function: Export receptor for importin-alpha. Mediates importin-alpha re-export from the nucleus to the cytoplasm after import substrates (cargos) have been released into the nucleoplasm. In the nucleus binds cooperatively to importin-alpha and to the GTPase Ran in its active GTP-bound form. Docking of this trimeric complex to the nuclear pore complex (NPC) is mediated through binding to nucleoporins. Upon transit of a nuclear export complex into the cytoplasm, disassembling of the complex and hydrolysis of Ran-GTP to Ran-GDP (induced by RANBP1 and RANGAP1, respectively) cause release of the importin-alpha from the export receptor. CSE1L/XPO2 then return to the nuclear compartment and mediate another round of transport. The directionality of nuclear export is thought to be conferred by an asymmetric distribution of the GTP-and GDP-bound forms of Ran between the cytoplasm and nucleus. Subunit Structure: Found in a complex with CSE1L/XPO2, Ran and KPNA2 (PubMed:9323134, PubMed:9786944). Binds with high affinity to importin-alpha only in the presence of RanGTP. The complex is dissociated by the combined action of RanBP1 and RanGAP1 (PubMed:9323134). Interacts with CFTR (PubMed:20933420). Similarity: Belongs to the XPO2/CSE1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	371502112
NCBI GeneID	1434
NCBI Accession #	NP_001243064.1
NCBI GenBank Nucleotide #	NM_001256135.1
UniProt Accession #	P55060; O75432; Q32M40; Q9H5B7; Q9NTS0; Q9UP98; Q9UP99; Q9UPA0; A3RLL6; B2R5T4; E1P5Y0; F8W904
Molecular Weight	Observed: 110 kDa Predicted: 111 kDa
NCBI Official Full Name	exportin-2 isoform 2
NCBI Official Synonym Full Names	chromosome segregation 1 like
NCBI Official Symbol	CSE1L
NCBI Official Synonym Symbols	CAS; CSE1; XPO2
NCBI Protein Information	exportin-2
UniProt Protein Name	Exportin-2
UniProt Gene Name	**CSE1L**
UniProt Synonym Gene Names	CAS1 PublicationManual assertion based on opinion iniRef.1; Exp2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/cas-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/322494