

Anti-CASTOR1 antibody (1-329) (STJ11103420)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

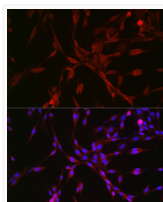
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 36kDa Observed Mw: 39kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

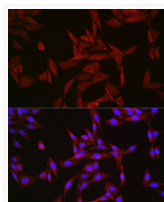
Gene ID	652968
Gene Symbol	CASTOR1
UniProt ID	CAST1_HUMAN
Immunogen Region	1-329
Immunogen Sequence	MELHILEHRVRLSVARPG L WLYTHPLIKLLFLPRRSRCK FFSLTETPEDYTLMVDEEGF KELPPSEFLQVAEATWLVLN VSSHSGAAVQAAGVTKIARS VIAPLAHHVSVLMLSTYQT DFILVREQDLSVVIHTLAQE FDIYREVGGEPPVPTRDDSS NGFPRTQHGSPSTVHPIQSP QNRFCVLTLDPETLPAIATT LIDVLFYSHSTPKAAASSSP EPSSITFFAFSLIEGYIS I
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-329 of human CASTOR1 (NP_001032755.1).

ADDITIONAL INFORMATION

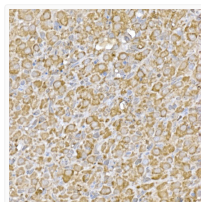
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



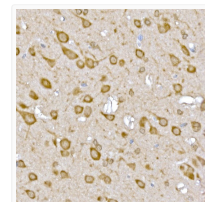
Immunofluorescence analysis of PC-12 cells using CASTOR1 Rabbit polyclonal antibody (STJ11103420) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



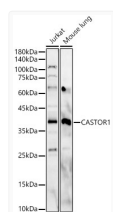
Immunofluorescence analysis of NIH/3T3 cells using CASTOR1 Rabbit polyclonal antibody (STJ11103420) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded rat ovary using CASTOR1 Rabbit polyclonal antibody (STJ11103420) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat brain using CASTOR1 Rabbit polyclonal antibody (STJ11103420) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of various lysates, using CASTOR1 Rabbit polyclonal antibody (STJ11103420) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.