

Anti-OPTN antibody (1-577) (STJ24869)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

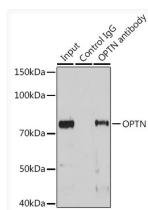
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:2000 IHC-P:1:50-1:200 IP:0.5 Mu g-4 Mu g antibody for 25 Mu g-100 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 66kDa Observed Mw: 78kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

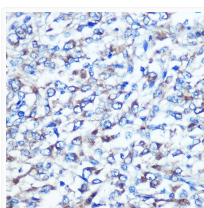
Gene ID	10133
Gene Symbol	OPTN
UniProt ID	OPTN_HUMAN
Immunogen Region	1-577
Immunogen Sequence	MSHQPLSCLTEKEDSPSEST GNGPPHLAHPNLDFTPEEL LQMKELLTENHQLKEAMKL NNQAMKGRFEELSAWTEKQK EERQFFEIQSKEAKERLMAL SHENEKLKEELGKLKGKSER SSEPTDDSRLPRAEAEQEK DQLRTQVVRLQAEKADLLGI VSELQLKLNSSGSSSEDSFVE IRMAEGEAEQSVKEIKHSPG PTRTVSTGTALSKYRSRSAD GAKNYFEHEELTVSQLLC
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-577 of human OPTN (NP_068815.2).

ADDITIONAL INFORMATION

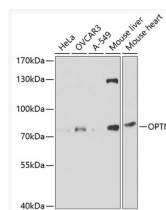
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



Immunoprecipitation analysis of 25 Mu g extracts of Mouse heart cells using 3 Mu g OPTN antibody (STJ24869). Western blot was performed from the immunoprecipitate using OPTN antibody (STJ24869) at a dilution of 1:1000.



Immunohistochemistry analysis of OPTN in paraffin-embedded human liver cancer using OPTN Rabbit polyclonal antibody (STJ24869) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



Western blot analysis of various lysates using OPTN Rabbit polyclonal antibody (STJ24869) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST.