Anti-EIF4G2 antibody (320-490) (STJ23521)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

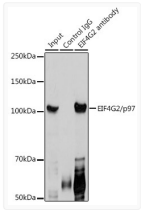
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specif
Formulation	PBS with 0.09% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 102kDa Observed Mw: 100kDa
Storage Instruction	Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

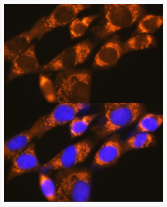
Gene ID	1982
Gene Symbol	EIF4G2
UniProt ID	IF4G2_HUMAN
Immunogen Region	320-490
Immunogen Sequence	PKTINQIRQDAVKDLGVFIP APMAQGMRSDFFLEGPFMPP RMKMDRDPLGGLADMFGQMP GSGIGTGPGVIQDRFSPTMG RHRSNQLFNGHGGHIMPPTQ SQFGEMGGKFMKSQGLSQLY HNQSQGLLSQLQGQSKDMPP RFSKKGQLNADEISLRPAQS FLMNKNQVPKL
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 320-490 of human EIF4G2/p97 (NP_001409.3).

ADDITIONAL INFORMATION

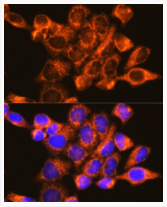
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



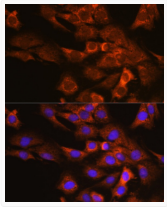
Immunoprecipitation analysis of 300 Mu g extracts of HeLa cells using 3 Mu g EIF4G2/p97 antibody (STJ23521). Western blot was performed from the immunoprecipitate using EIF4G2/p97 antibody (STJ23521) at a dilution of 1:1000.



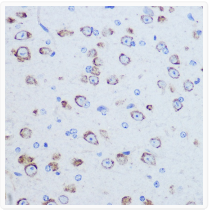
Immunofluorescence analysis of NIH-3T3 cells using EIF4G2/p97 Rabbit polyclonal antibody (STJ23521) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



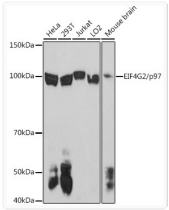
Immunofluorescence analysis of HeLa cells using EIF4G2/p97 Rabbit polyclonal antibody (STJ23521) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of C6 cells using EIF4G2/p97 Rabbit polyclonal antibody (STJ23521) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of EIF4G2/p97 in paraffin-embedded mouse brain using EIF4G2/p97 Rabbit polyclonal antibody (STJ23521) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9. 0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of various lysates using EIF4G2/p97 Rabbit polyclonal antibody (STJ23521) 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. Detection: ECL Basic Kit. Exposure time: 180s.