

Anti-APOL1 antibody (303-398) [S5MR] (STJ11102075)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human

PRODUCT PROPERTIES

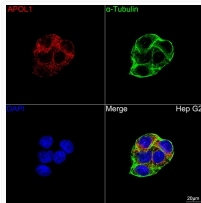
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:2000 IF/CC:1:50-1:200 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 44kDa Observed Mw: 55kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

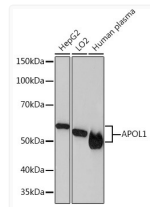
Gene ID	8542
Gene Symbol	APOL1
UniProt ID	APOL1_HUMAN
Immunogen Region	303-398
Immunogen Sequence	RPRVTEPISAESGEQVERVN EPSILEMSRGVKLTDVAPVS FFLVLDVVYLVYESKHLHEG AKSETAEELKKVAQELEEKL NILNNNYKILQADQEL
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 303-398 of human APOL1 (O14791).

ADDITIONAL INFORMATION

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



Confocal imaging of Hep G2 cells using APOL1 Rabbit monoclonal antibody (STJ11102075, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (dilution 1:500) (Red). The cells were counterstained with Alpha-Tubulin Mouse monoclonal antibody (dilution 1:400) followed by incubation with ABflor® 488-conjugated Goat Anti-Mouse IgG (H+L) antibody (dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Western blot analysis of various lysates using APOL1 Rabbit monoclonal antibody (STJ11102075) 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: 3min.