Anti-CRYAA antibody (1-173) (STJ28292)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

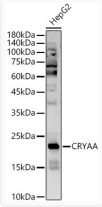
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:2000-1:6000 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 20kDa Observed Mw: 19kDa
Storage Instruction	Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

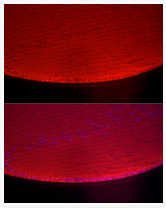
Gene ID	102724652/1409
Gene Symbol	CRYAA
UniProt ID	CRYAA_HUMAN
Immunogen Region	1-173
Immunogen Sequence	MDVTIQHPWFKRTLGPFYPS RLFDQFFGEGLFEYDLLPFL SSTISPYYRQSLFRTVLDSG ISEVRSDRDKFVIFLDVKHF SPEDLTVKVQDDFVEIHGKH NERQDDHGYISREFHRRYRL PSNVDQSALSCSLSADGMLT FCGPKIQTGLDATHAERAIP VSREEKPTSAPSS
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-173 of human CRYAA (NP_000385.1).

ADDITIONAL INFORMATION

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



Western blot analysis of HepG2, using CRYAA antibody (STJ28292) at 1:5000 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% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.



Immunofluorescence analysis of Rat Eye using CRYAA rabbit polyclonal antibody (STJ28292) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.