

Anti-GCH1 antibody (55-250) (STJ118007)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

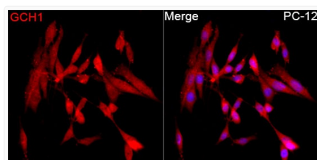
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IF/CC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 28kDa Observed Mw: 28kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

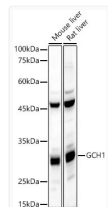
Gene ID	2643
Gene Symbol	GCH1
UniProt ID	GCH1_HUMAN
Immunogen Region	55-250
Immunogen Sequence	GERPRSEEDNELNLPNLAAA YSSILSSLGENPQRQGLLKT PWRAASAMQFFTKGYQETIS DVLNDAIFDEDDHEMVIKID IDMFMSCEHLLVPFVGKVHI GYLPNKQVLGLSKLARIVEI YSRRLQVQERLTQIAVAIT EALRPAGVGVVVEATHMCMV MRGVQKMNSKTVTSTMLGVF REDPKTREEFLTIRS
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 55-250 of human GCH1 (NP_000152.1).

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 GCH1 Rabbit polyclonal antibody (STJ118007) 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.



Western blot analysis of various lysates, using GCH1 antibody (STJ118007) at 1:900 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: 45s.