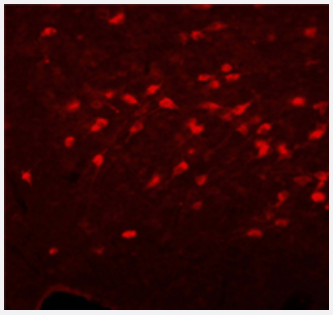
CHAT polyclonal antibody

Catalog # PAB14313 Size 100 uL

Applications



Immunofluorescence

Immunofluorescent staining of rat basal forebrain cholinergic neurons using CHAT polyclonal antibody (Cat # PAB14313).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CHAT.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 167-188 of pig CHAT.
Sequence	GLFSSYRLPGHTQDTLVAQKSS
Host	Rabbit
Reactivity	Guinea pig, Mouse, Pig, Rabbit, Rat
Specificity	This antiserum stains cholinergic neurons in guinea-pig and rabbit.
Form	Lyophilized
Recommend Usage	ELISA (direct antigen ELISA) Immunofluorescent Immunohistochemistry/cytochemistry (on 4% PFA or formalin fixed frozen sections; paraffin sections can be more difficult and require more extensive antigen recovery methods. 1:400-1:2000 dependin g up detection and incubation times) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from whole serum.

Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 100 uL of sterile water, centrifuge to remove any insoluble material, keep aliquots and store at -20°C for a higher stability, and at 2-8°C with an appropriate antibacterial agent. Glycerol (1:1) may be added for an additional stability. Aliquot to avoid repeated freezing and thawing.
Note	This antiserum will superbly stain both cell bodies and nerve terminal, and works particularly well in enteric and peripheral neurons.

Applications

- Immunohistochemistry
- Immunofluorescence

  Immunofluorescent staining of rat basal forebrain cholinergic neurons using CHAT polyclonal antibody (Cat # PAB14313).
- Enzyme-linked Immunoabsorbent Assay

Gene Info — CHAT

Entrez GeneID	396896
Gene Name	CHAT
Gene Alias	ChoAcTase
Gene Description	choline acetyltransferase
Gene Ontology	Hyperlink
Other Designations	-

Publication Reference

- Antibodies raised against synthetic peptides react with choline acetyltransferase in various immunoassays and in immunohistochemistry.

  Benecke S, Ostermann-Latif C, Mader M, Schmidt B, Unger JW, Westarp ME, Felgenhauer K.

  Journal of Neurochemistry 1993 Sep; 61(3):804.

  Application: IHC, WB-Ti, Human, Pig, Rat, Placental, Brain