

Rabbit anti-Human HPCA Polyclonal Antibody | anti-HPCA antibody

Anti-HPCA Antibody, Rabbit Polyclonal

CATALOG # AAA256967	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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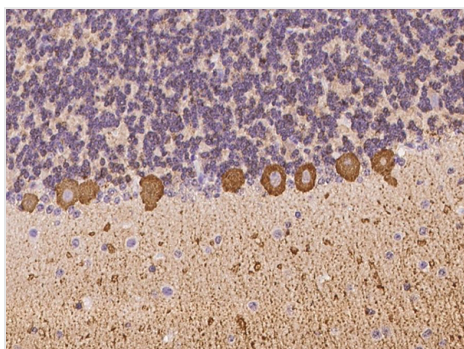
PRODUCT SYNONYMS

HPCA; Polyclonal Antibody; Anti-HPCA Antibody; Rabbit Polyclonal; HPCA Antibody; Rabbit PAb; Antigen Affinity Purified; hippocalcin; Anti-BDR2 Antibody; Anti-DYT2 Antibody; anti-HPCA antibody

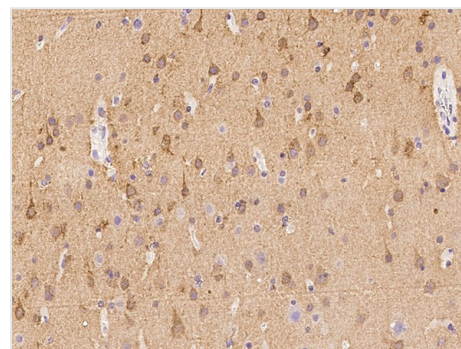
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human HPCA
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-HPCA antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human HPCA fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human HPCA fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunochemical staining of human HPCA in cynomolgus cerebellum with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.


IHC (Immunohistochemistry)

Immunochemical staining of human HPCA in human brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti- HPCA antibody	Hippocalcin (HPCA) is a neuron-specific calcium-binding protein predominantly expressed in the nervous system. Hippocalcin is a member of the neuronal Ca(2+) sensor protein family. Among its many biochemical functions, its established physiological function is that via neuronal apoptosis inhibitory protein it protects the neurons from Ca(2+)-induced cell death. Hippocalcin is a 193 aa protein that is a member of the neuronal calcium sensor protein family, whose functions are regulated by calcium. Mice that lack the function of this protein are compromised in the long term potentiation aspect of memory generation. Mutations in HPCA gene are linked with dystonia in human. The protein has no intrinsic enzyme activity but is known to bind to variety of target proteins. Hippocalcin is implicated in regulating neuronal viability and plasticity. Hippocalcin is the most highly expressed neuronal calcium sensor in the medium spiny striatal output neurons that degenerate selectively in Huntington's disease (HD).
References	Rudinskiy N, et al. (2009) Diminished hippocalcin expression in huntington's disease brain does not account for increased striatal neuron vulnerability as assessed in primary neurons. J Neurochem 111 (2): 460-472.Krishnan A, et al. (2009) Hippocalcin, new ca(2+) sensor of a ros-gc subfamily member, one-gc, membrane guanylate cyclase transduction system. Mol Cell Biochem 325 (1-2): 1-14.Koh PO (2013) Nicotinamide attenuates the injury-induced decrease of hippocalcin in ischemic brain injury. Neurosci Lett 545 6-10.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hpca-antibody-immunohistochemistry-elisa/256967>