

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

Anti-PDF Antibody, Rabbit Polyclonal

CATALOG # AAA256783	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

PDF; Polyclonal Antibody; Anti-PDF Antibody; Rabbit Polyclonal; PDF Antibody; Rabbit PAb; Antigen Affinity Purified; anti-PDF antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PDF
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PDF antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human PDF fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PDF 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 PDF in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

Related Product Information for anti-PDF antibody	In the Drosophila brain, the neuropeptide pigment-dispersing factor (PDF) is expressed in the small and large Lateral ventral neurons (LNvs) and regulates circadian locomotor behavior. PDF is a key transmitter in the circadian clock of Drosophila melanogaster. PDF is necessary for robust activity rhythms and is thought to couple the circadian oscillations of the clock neurons. PDF stimulates ecdysone biosynthesis and that this novel signaling pathway partially overlaps with the prothoracicotropic hormone (PTTH) signaling pathway. The role of PDF in circadian timekeeping in Drosophila is remarkably similar to that of vasoactive intestinal peptide (VIP) in mammals. Like VIP, PDF is expressed outside the circadian network by neurons innervating the gut.
References	Wei H, et al. (2014) Signaling of pigment-dispersing factor (pdf) in the madeira cockroach rhyarobia maderae. PLoS One 9 (9): e108757.Hamasaka Y, et al. (2005) Chronobiological analysis and mass spectrometric characterization of pigment-dispersing factor in the cockroach leucophaea maderae. J Insect Sci 5 43.Depetris-Chauvin A, et al. (2014) Mmp1 processing of the pdf neuropeptide regulates circadian structural plasticity of pacemaker neurons. PLoS Genet 10 (10): e1004700.

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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