

Goat anti-Human CGRP Polyclonal Antibody | anti-CGRP antibody

Anti-Human CGRP, Purified, (Polyclonal)(Goat IgG)

CATALOG # AAA74293	HOST Goat	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

CGRP; Polyclonal Antibody; Anti-Human CGRP; Purified; (Polyclonal)(Goat IgG); Calcitonin gene related peptide; anti-CGRP antibody

PRODUCT SPECIFICATIONS

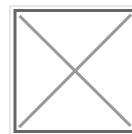
Host	Goat
Reactivity	Human
Clonality	Polyclonal
Isotype	Goat IgG
Specificity	This antibody is specific for human Calcitonin gene related peptide(CGRP)
Purity/Purification	Purified. Affinity Chromatography
Form/Format	Purified IgG (1mg/ml)buffered in PBS and 0.02% NaN ₃ . (Purified from serum via Affinity Chromatography).
Applicable Applications for anti-CGRP antibody	IHC (Immunohistochemistry), ELISA
Conjugation	Unconjugated
Immunogen	15 amino acid synthetic peptide located withinthe human CGRP1(alpha-CGRP)sequence.
Preparation and Storage	Store at 4 degree C. For long term storage, aliquot and freeze unused portion at -20 degree C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

CL7812AP (4ug/ml) staining of a human skin formalin-fixed, paraffin-embedded tissue section; seen at 20x (left) and 40x (right) magnification. Strong staining of collagen fibers observed in the extracellular space.



WB (Western Blot)

CL7812AP (0.01ug/ml) staining of human skin (A) and MCF7 cell line (B) lysates (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-CGRP antibody

Calcitonin gene-related peptide (CGRP) is a member of the calcitonin family of peptides, which in humans exists in two forms, alpha-CGRP and beta-CGRP. CGRP is produced in both peripheral and central neurons and is a potent peptide vasodilator and can function in the transmission of nociception. It dilates a variety of vessels including the coronary, cerebral and systemic vasculature. Its abundance in the CNS also points toward a neurotransmitter or neuromodulator role. Increased levels of CGRP have been reported in migraine and temporomandibular joint disorder patients as well as a variety of other diseases such as cardiac failure, hypertension, and sepsis. Several monoclonal antibody therapies targeting CGRP and its receptor have been developed for patients suffering from migraine attacks.

References

1. Amara SG, Jonas V, et al.(1982) Alternative RNA processing in calcitonin gene expression generates mRNAs encoding different polypeptide products.Nature.298(5871): 240-4.
2. Rosenfeld MG, Mermod JJ, et al(1983) Production of a novel neuropeptide encoded by the calcitonin gene via tissue-specific RNA processing.Nature.304(5922): 129-35.
3. Brain SD, Williams TJ, et al.(1985) Calcitonin gene-related peptide is a potent vasodilator.Nature.313(5997): 54-6.
4. Kitamura K. et al. (1992) Isolation and characterization of peptides which act on rat platelets, from a pheochromocytoma. Biochem. Biophys. Res. Commun. 185:134-141.
5. Bigal ME, Rapoport AM, et al.(2018). From LBR-101 to Fremanezumab for Migraine.CNS Drugs.32(11): 1025-1037.

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/cgrp-antibody-immunohistochemistry-elisa/74293>