Datasheet for ABIN93907

anti-beta Endorphin antibody

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Overview

Quantity:	0.1 mg
Target:	beta Endorphin (beta-EP)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This beta Endorphin antibody is un-conjugated
Application:	Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Human beta Endorphin (full length native protein).
Clone:	B31-15
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody B31.15 reacts with human beta Endorphin, an endogenous opiate derived from ACTH gene. ACTH (Corticotropin, human 39 aa) is synthesized by the anterior pituitary gland and stimulates the adrenal cortex, 6 hormones are derived from one ACTH gene: ACTH, lipotropin, alpha-MSH, beta-MSH, endorphin, and one other.
Cross-Reactivity (Details):	Other not tested, Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	beta Endorphin (beta-EP)
Alternative Name:	beta Endorphin (beta-EP Products)
Pathways:	Metabolism of Steroid Hormones and Vitamin D, Peptide Hormone Metabolism, Hormone Activity

Application Details

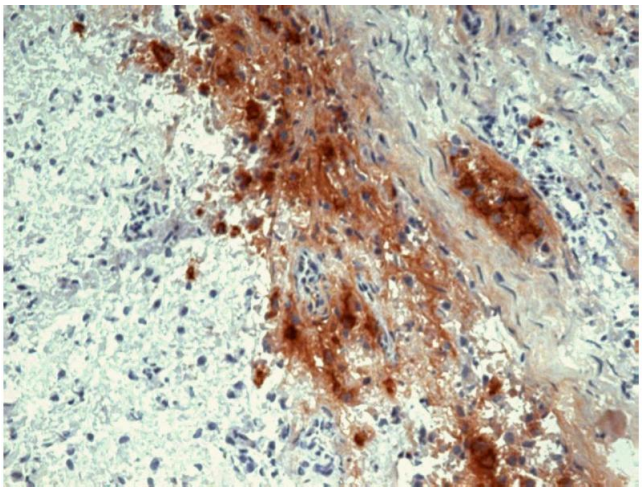
Application Notes:	Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/mL, standard ABC technique (DAB+), heat retrieval (microwave oven), incubation: overnight at 4 °C, positive tissue: human pituitary gland.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	**Do not freeze.**
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

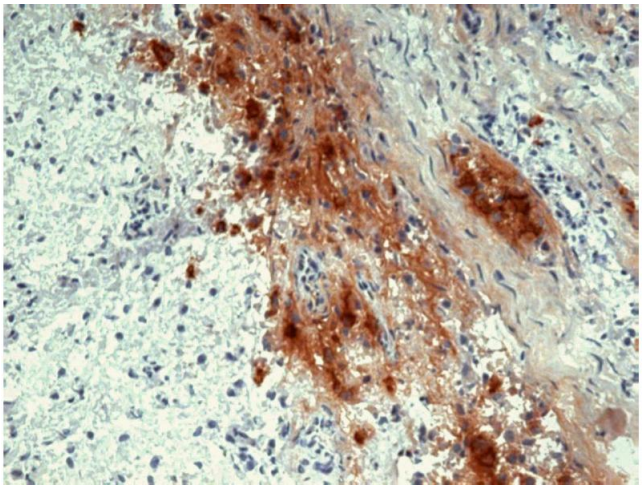
Publications

Product cited in:	Andjelkov, Elvenes, Figenschau, Bjorkoy, Knutsen, Seternes, Johansen: "Detection of mRNA transcripts of truncated opiate precursor (POMC) in human cartilage." in: **Cell biochemistry and function**, Vol. 24, Issue 3, pp. 229-35, (2006) (PubMed).



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry staining of human pituitary gland (frozen sections) with anti-human beta Endorphin (B31.15).



Immunohistochemistry

Image 2. Immunohistochemistry of frozen sections (pituitary gland) Immunohistochemistry staining of human pituitary gland (frozen sections) with anti-human beta Endorphin (B31.15).