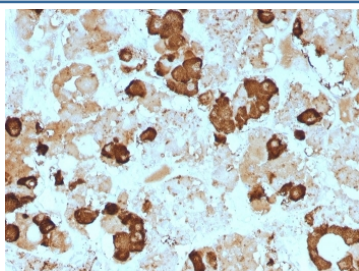


POMC Antibody / ACTH / Synacthen / N-Terminal [clone 57] (V3179)

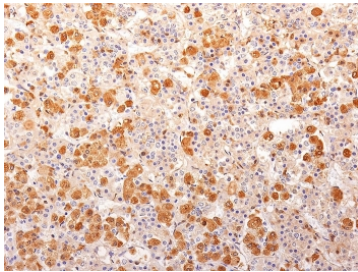
Catalog No.	Formulation	Size
V3179-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3179-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3179SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

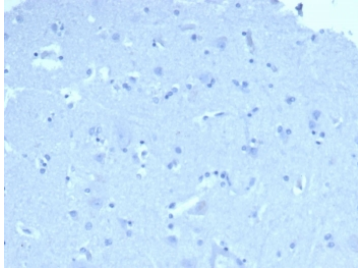
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	57
Purity	Protein G affinity chromatography
UniProt	P01189
Localization	Cytoplasm
Applications	ELISA (order BSA/sodium Azide-free Format For Coating) : Flow Cytometry : 0.5-1ug/10 ⁶ cells Immunofluorescence : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This POMC antibody is available for research use only.



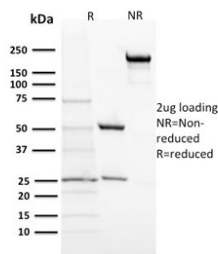
IHC staining of FFPE human pituitary gland with POMC antibody (clone 57). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC: Formalin-fixed, paraffin-embedded human pituitary gland stained with ACTH / POMC antibody (clone 57). Required HIER: boil tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.



Negative control: IHC staining of FFPE human brain tissue with POMC antibody (clone 57). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE Analysis of Purified, BSA-Free POMC Antibody (clone 57). Confirmation of Integrity and Purity of the Antibody.

Description

POMC (pro-opiomelanocortin or corticotropin-lipotropin) is a 267 amino acid polypeptide hormone precursor that goes through extensive, tissue-specific posttranslational processing by convertases. POMC is cleaved into ten hormone chains named NPP, ACTH, alpha-MSH (Melanocyte Stimulating Hormone), beta-MSH, gamma-MSH, CLIP (corticotropin-like intermediary peptide), Lipotropin-beta, Lipotropin-gamma, beta-endorphin and Met-enkephalin.

Application Notes

Immunogen

An N-terminal peptide (within AA 1-24) from the Synacthen/ACTH region of human POMC was used as the immunogen for this POMC antibody.

Storage

Store the POMC antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

