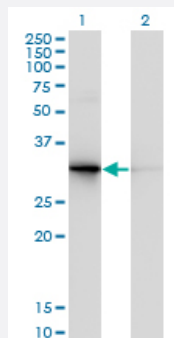


PDYN monoclonal antibody (M01), clone 2E12

Catalog # H00005173-M01

Size 100 ug

Applications

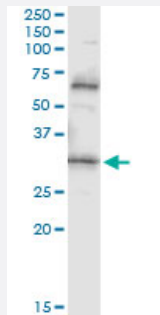


Western Blot (Transfected lysate)

Western Blot analysis of PDYN expression in transfected 293T cell line by PDYN monoclonal antibody (M01), clone 2E12.

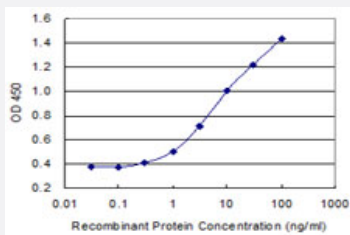
Lane 1: PDYN transfected lysate(28.4 KDa).

Lane 2: Non-transfected lysate.



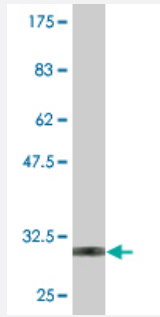
Immunoprecipitation

Immunoprecipitation of PDYN transfected lysate using anti-PDYN monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PDYN MaxPab rabbit polyclonal antibody.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PDYN is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (31.24 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PDYN.
Immunogen	PDYN (NP_077722.1, 205 a.a. ~ 254 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	KRYGGFLRRIRPKLKWDNQKRYGGFLRRQFKVVTRSQEDPNAYSGELFDA
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (31.24 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PDYN expression in transfected 293T cell line by PDYN monoclonal antibody (M01), clone 2E12.

Lane 1: PDYN transfected lysate(28.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of PDYN transfected lysate using anti-PDYN monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PDYN MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PDYN is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PDYN

Entrez GeneID [5173](#)

GeneBank Accession# [NM_024411](#)

Protein Accession# [NP_077722.1](#)

Gene Name PDYN

Gene Alias MGC26418, PENKB

Gene Description prodynorphin

Omim ID [131340](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a preproprotein that is proteolytically processed to form the secreted opioid peptides beta-neoendorphin, dynorphin, leu-enkephalin, rimorphin, and leumorphin. These peptides are ligands for the kappa-type of opioid receptor. Dynorphin is involved in modulating responses to several psychoactive substances, including cocaine. [provided by RefSeq]

Other Designations OTTHUMP00000030002|beta-neoendorphin|beta-neoendorphin-dynorphin|dynorphin|leu-enkephalin|leumorphin|preprodynorphin|preproenkephalin B|rimorphin

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