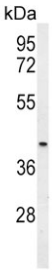
Mu-type Opioid Receptor Antibody / OPRM1 / MOR-1 (F55020)

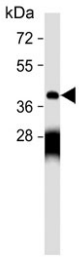
Catalog No.	Formulation	Size
F55020-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55020-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

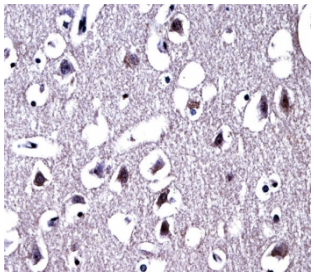
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P35372
Localization	Cytoplasmic
Applications	Western Blot : 1:500-1:1000 Flow Cytometry : 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:10-1:50
Limitations	This Mu-type Opioid Receptor antibody is available for research use only.



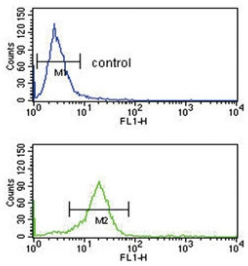
Western blot testing of mouse heart tissue lysate with Mu-type Opioid Receptor antibody. Predicted molecular weight ~45 kDa.



Western blot testing of human MDA-MB-231 cell lysate with Mu-type Opioid Receptor antibody. Predicted molecular weight ~45 kDa.



IHC testing of FFPE human brain tissue with Mu-type Opioid Receptor antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human K562 cells with Mu-type Opioid Receptor antibody; Blue=isotype control, Green= Mu-type Opioid Receptor antibody.

Description

OPRM1 is the mu opioid receptor, which is the primary site of action for the most commonly used opioids, including morphine, heroin, fentanyl, and methadone. It is also the primary receptor for endogenous opioid peptides beta-endorphin and the enkephalins. The OPRM1 receptor is a membrane of the G protein-coupled receptor family (Bond et al., 1998). There are at least 3 types of opioid receptors, mu, kappa, and delta, each with a distinct pharmacologic profile.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Mu-type Opioid Receptor antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 161-187 from the human protein was used as the immunogen for the Mu-type Opioid Receptor antibody.

Storage

Aliquot the Mu-type Opioid Receptor antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.