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DRD2 Antibody (C-term) (Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2152a

Specification

DRD2 Antibody (C-term) (Ascites) - Product Information

Application	**WB,E**
Primary Accession	P14416
Other Accession	NP_057658.2
Reactivity	**Mouse, Rat**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a**
Antigen Region	**307-336**

DRD2 Antibody (C-term) (Ascites) - Additional Information

Gene ID 1813

Other Names
D(2) dopamine receptor, Dopamine D2 receptor, DRD2

Target/Specificity
This DRD2 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 307-336 amino acids from the C-terminal region of human DRD2.

Dilution
WB~~1:200~800

Format
Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
DRD2 Antibody (C-term) (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

DRD2 Antibody (C-term) (Ascites) - Protein Information

Name DRD2

Function Dopamine receptor whose activity is mediated by G proteins which inhibit adenylyl cyclase (PubMed:21645528). Positively regulates postnatal regression of retinal hyaloid vessels via suppression of VEGFR2/KDR activity, downstream of OPN5 (By similarity).

Cellular Location
Cell membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein

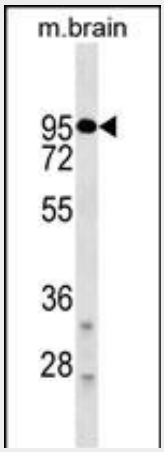
Tissue Location
[Isoform 1]: Expressed in the anterior pituitary gland.

DRD2 Antibody (C-term) (Ascites) - Protocols

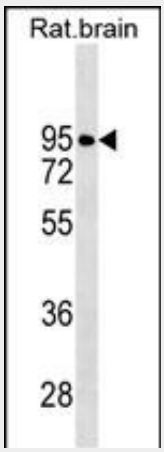
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DRD2 Antibody (C-term) (Ascites) - Images



DRD2 Antibody (C-term)(Ascites)(Cat. #AM2152a) western blot analysis in mouse brain tissue lysates (35µg/lane).This demonstrates the DRD2 antibody detected the DRD2 protein (arrow).



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DRD2 Antibody (C-term) (Ascites) - Background

This gene encodes the D2 subtype of the dopamine receptor. This G-protein coupled receptor inhibits adenylyl cyclase activity. A missense mutation in this gene causes myoclonus dystonia; other mutations have been associated with schizophrenia. Alternative splicing of this gene results in two transcript variants encoding different isoforms. A third variant has been described, but it has not been determined whether this form is normal or due to aberrant splicing.

DRD2 Antibody (C-term) (Ascites) - References

Verma, V., et al. J. Biol. Chem. 285(45):35092-35103(2010)
Borroto-Escuela, D.O., et al. Biochem. Biophys. Res. Commun. 401(4):605-610(2010)
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Huang, H.Y., et al. J. Formos. Med. Assoc. 109(10):736-739(2010)
Itokawa, M., et al. J. Pharmacol. Sci. 114(1):1-5(2010)