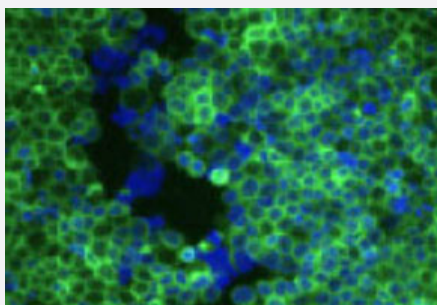


OPRK1 monoclonal antibody, clone 5E3

Catalog # MAB1740

Size 25 ug

Applications



Immunofluorescence

Immunofluorescence analysis of HEK 293T cells overexpressing human OPRK1, using OPRK1 monoclonal antibody, clone 5E3 (Cat # MAB1740) .

Specification

Product Description Mouse monoclonal antibody raised against OPRK1.

Immunogen hKOR expressing cell line.

Host Mouse

Reactivity Human

Form Liquid

Isotype IgG1, kappa

Quality Control Testing Antibody Reactive Against OPRK1.

Recommend Usage

- Western Blot (5 ug/mL)
- Immunoprecipitation (1 ug/mL)
- Flow Cyt (1 ug/mL)
- Immunoprecipitation (5 ug/mL)
- The optimal working dilution should be determined by the end user.

Storage Buffer In PBS (0.1% proclin, 2.0% Block Ace)

Storage Instruction

Store at -20°C.

Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry

Immunofluorescence analysis of HEK 293T cells overexpressing human OPRK1, using OPRK1 monoclonal antibody, clone 5E3 (Cat # MAB1740) .

Gene Info — OPRK1

Entrez GeneID	4986
Gene Name	OPRK1
Gene Alias	KOR, OPRK
Gene Description	opioid receptor, kappa 1
Omim ID	165196
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	Opiate receptor, kappa-1 kappa opioid receptor

Publication Reference

- [A regulatory variation in OPRK1, the gene encoding the kappa-opioid receptor, is associated with alcohol dependence.](#)

Edenberg HJ, Wang J, Tian H, Pochareddy S, Xuei X, Wetherill L, Goate A, Hinrichs T, Kuperman S, Nurnberger JI Jr, Schuckit M, Tischfield JA, Foroud T.

Human Molecular Genetics 2008 Jun; 17(12):1783.

- [Disruption of the kappa-opioid receptor gene in mice enhances sensitivity to chemical visceral pain, impairs pharmacological actions of the selective kappa-agonist U-50,488H and attenuates morphine withdrawal.](#)

Simonin F, Valverde O, Smadja C, Slowe S, Kitchen I, Dierich A, Le Meur M, Roques BP, Maldonado R, Kieffer BL.

The EMBO Journal 1998 Feb; 17(4):886.

- [kappa opioid receptors in human microglia downregulate human immunodeficiency virus 1 expression.](#)

Chao CC, Gekker G, Hu S, Sheng WS, Shark KB, Bu DF, Archer S, Bidlack JM, Peterson PK.

PNAS 1996 Jul; 93(15):8051.

Application: Flow Cyt, IF, Human, Microglial cells

- [kappa-Opioid receptor in humans: cDNA and genomic cloning, chromosomal assignment, functional expression, pharmacology, and expression pattern in the central nervous system.](#)

Simonin F, Gavériaux-Ruff C, Befort K, Matthes H, Lannes B, Micheletti G, Mattéi MG, Charron G, Bloch B, Kieffer B.

PNAS 1995 Jul; 92(15):7006.

Application: IHC, WB-Ti, Human, Human brains

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholism](#)
- [Alcohol-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bulimia](#)
- [Cocaine-Related Disorders](#)
- [Disease Models](#)
- [Genetic Predisposition to Disease](#)
- [Heroin Dependence](#)

- [Mental Disorders](#)
- [NARP](#)
- [Obesity](#)
- [Opioid-Related Disorders](#)
- [Ovarian Failure](#)
- [Pain](#)
- [Pain Threshold](#)
- [Polycystic Ovary Syndrome](#)
- [Psychiatric Status Rating Scales](#)
- [Puberty](#)
- [Substance-Related Disorders](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)