

Purified anti-HSD17B10 Antibody (Previously Covance catalog# SIG-39770)

Catalog# / Size	834405 / 25 µL 834404 / 100 µL 834402 / 500 µL
Clone	5F3
Regulatory Status	RUO
Other Names	17b-HSD10, ABAD, CAMR, DUPXp11.22, HADH2, HCD2, MHBD, MRPP2, MRX17, MRX31, MRXS10, SCHAD, SDR5C1, HSD17B10, HSD-10, 3-hydroxyacyl-CoA dehydrogenase type-2, AB-binding alcohol dehydrogenase, mitochondrial ribonuclease P protein 2
Previously	Signet Catalog# 9770-02 Signet Catalog# 9770-05 Signet Catalog# 9770-10 Covance Catalog# SIG-39770
Isotype	Mouse IgG1, λ
Description	The clone 5F3 recognizes the endogenous HSD17B10 protein in extracts from cells with virtually no cross-reactivity to other human proteins in immunoblots and ELISA assays. HSD17B10 is an intracellular 27kD polypeptide which appears to be up regulated in the brains of Alzheimer's disease patients and has been associated with amyloid beta neurotoxicity. Cross-reactivity to mouse or other species has not been tested.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	This antibody was generated against recombinant, full-length human HSD17B10 protein.
Formulation	Phosphate-buffered solution; no preservatives or carrier proteins.
Preparation	The antibody was purified by affinity chromatography.
Concentration	1 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C. Please note the storage condition for this antibody has been changed from -20°C to between 2°C and 8°C. You can also check your vial or your CoA to find the most accurate storage condition for this antibody.
Application	IHC-P - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by formalin-fixed paraffin-embedded immunohistochemical staining. For immunohistochemistry, a concentration range of 1.0 - 10 µg/ml is suggested. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes	Clone 5F3 recognizes the recombinant human HSD17B10 protein (27kD) and is an excellent mitochondrial marker. Please note that the name of this product has changed from Purified anti-ERAB Antibody to Purified anti-HSD17B10 Antibody.
Application References	<ol style="list-style-type: none"> 1. He XY, <i>et al.</i> 2000. <i>Biochim BioPhys Acta.</i> 1484 (2-3):267-77. 2. Yan SD, <i>et al.</i> 1999. <i>J Biol Chem.</i> 274(4):2145-56. 3. Oppermann UC, <i>et al.</i> 1999. <i>FEBS Lett.</i> 451(3):238-42. 4. Sambamurti K & Lahiri DK. 1998. <i>Biochem Biophys Res Commun.</i> 249(2):546-9. 5. Yan SD, <i>et al.</i> 1997. <i>Nature.</i> 389(6652):689-95. 6. Furuta S, <i>et al.</i> 1997. <i>Biochim BioPhys Acta.</i> 1350(3):317-24.
(PubMed link indicates BioLegend citation)	

RRID AB_2783409 (BioLegend Cat. No. 834405)
AB_2783408 (BioLegend Cat. No. 834404)
AB_2564990 (BioLegend Cat. No. 834402)

Antigen Details

Biology Area Cell Biology, Mitochondrial Function, Neuroscience, Neuroscience Cell Markers, Signal Transduction

Molecular Family Mitochondrial Markers

Gene ID [3028](#)

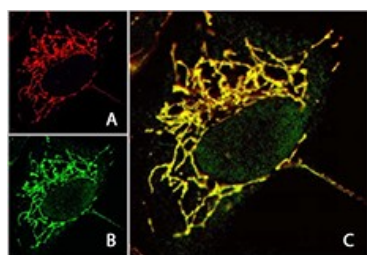
Related Protocols

[Immunohistochemistry Protocol for Paraffin-Embedded Sections](#)

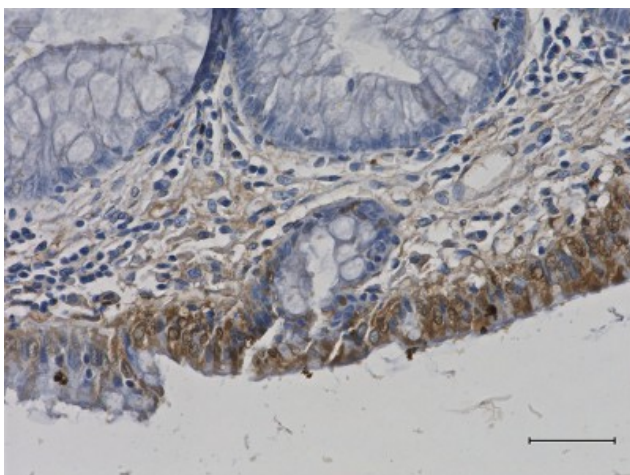
Other Formats

Purified anti-HSD17B10

Product Data



Mitochondrial localization of HSD17B10 in human neuroblastoma cells SK-N-SH visualized with MAb 5F3 and laser-scanning confocal microscope. A. MAb to mitochondria visualized with Cy-5-conjugated secondary antibodies. B. MAb 5F3 to HSD17B10-FITC-conjugated. C. Merged image.



IHC staining of purified anti-HSD17B10 antibody (clone 5F3) on formalin-fixed paraffin-embedded human colon tissue. The tissue was incubated with 10 µg/ml of the primary antibody for 60 minutes at room temperature. BioLegend's Ultra-Streptavidin (USA) HRP kit (Multi-Species, DAB, Cat. No. 929901) was used for detection followed by hematoxylin counterstaining, according to the protocol provided. The image was captured with a 40X objective. Scale bar: 50 µm

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Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587