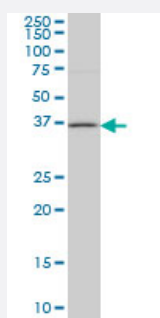


HSD17B1 monoclonal antibody (M03), clone 2E5

Catalog # H00003292-M03

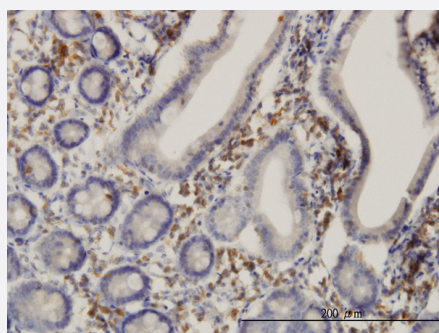
Size 100 ug

Applications



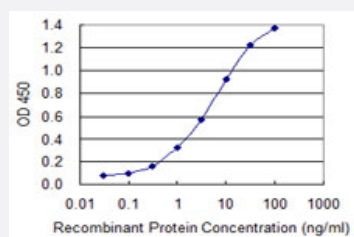
Western Blot (Cell lysate)

HSD17B1 monoclonal antibody (M03), clone 2E5 Western Blot analysis of HSD17B1 expression in Jurkat (Cat # L017V1).



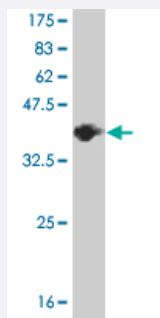
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to HSD17B1 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HSD17B1 is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.41 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant HSD17B1.
Immunogen	HSD17B1 (NP_000404, 189 a.a. ~ 285 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	VHTAFMEKVLGSPEEVLDRDTHFTFHRFYQYLAHSKQVFREAAQNPEEVAEVFLTALRAPKPTLR YFTTERFLPLLRMLDDPSGSNYVTAMHREVF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (61); Rat (61)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.41 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 (Cell lysate)

HSD17B1 monoclonal antibody (M03), clone 2E5 Western Blot analysis of HSD17B1 expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to HSD17B1 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HSD17B1 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — HSD17B1

Entrez GeneID	3292
GeneBank Accession#	NM_000413
Protein Accession#	NP_000404
Gene Name	HSD17B1
Gene Alias	EDH17B2, EDHB17, HSD17, MGC138140, SDR28C1
Gene Description	hydroxysteroid (17-beta) dehydrogenase 1
Omim ID	109684
Gene Ontology	Hyperlink
Gene Summary	member 1
Other Designations	Estradiol 17-beta-dehydrogenase-1 hydroxysteroid (17-beta) dehydrogenase 1 isoform short chain dehydrogenase/reductase family 28CE, member 1

Publication Reference

- [Post-menopausal ovarian fibroma associated with steroid hormone synthesis: A case report.](#)

Naomi Sato, Yuko Itakura, Yuji Yoshida, Junichi Akahira, Fumiyoshi Fujishima, Yasuhiro Nakamura.

Taiwanese Journal of Obstetrics & Gynecology 2023 Jul; 62(4):566.

Application: IHC-P, Human, Ovarian tumor

- [Steroidogenesis in ovarian-like mesenchymal stroma of hepatic and pancreatic mucinous cystic neoplasms.](#)

Kumata H, Murakami K, Ishida K, Miyagi S, Arakawa A, Inayama Y, Kinowaki K, Ochiai A, Kojima M, Higashi M, Moritani S, Kuwahara K, Nakatani Y, Kajiura D, Tamura G, Kijima H, Yamakawa M, Shiraishi T, Inadome Y, Murakami K, Suzuki H, Sawai T, Unno M, Kamei T, Sasano H.

Hepatology Research 2018 Jun; [Epub].

Application: IHC-P, Human, Human ovaries

- [The presence and impact of estrogen metabolism on the biology of triple-negative breast cancer.](#)

McNamara KM, Oguro S, Omata F, Kikuchi K, Guestini F, Suzuki K, Yang Y, Abe E, Hirakawa H, Brown KA, Takanori I, Ohuchi N, Sasano H.

Breast Cancer Res Treat 2017 Jan; 161(2):213.

Application: IHC, Human, Triple-negative breast cancer (TNBC)

- [The role of estrogen-metabolizing enzymes and estrogen receptors in human epidermis.](#)

Inoue T, Miki Y, Abe K, Hatori M, Hosaka M, Kariya Y, Kakuo S, Fujimura T, Hachiya A, Aiba S, Sasano H.

Mol Cell Endocrinol 2011 Jun; 344:35.

Application: IHC-P, Human, Skin

- [Increased estrogen sulfatase \(STS\) and 17beta-hydroxysteroid dehydrogenase type 1\(17beta-HSD1\) following neoadjuvant aromatase inhibitor therapy in breast cancer patients.](#)

Chanplakorn N, Chanplakorn P, Suzuki T, Ono K, Chan MS, Miki Y, Saji S, Ueno T, Toi M, Sasano H.

Breast Cancer Research and Treatment 2010 Apr; 120(3):639.

Application: IHC-P, Human, Human invasive ductal carcinoma

Pathway

- [Androgen and estrogen metabolism](#)
- [Metabolic pathways](#)

Disease

- [Adenocarcinoma](#)

- [Appetite](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cryptorchidism](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Fibroadenoma](#)
- [Fibrocystic Breast Disease](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
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- [Ovarian Neoplasms](#)
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- [Pulmonary Disease](#)
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- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)