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SUSD3 Antibody
Catalog # ASC11969

Specification

SUSD3 Antibody - Product Information

Application	**WB, E**
Primary Accession	Q96L08
Other Accession	NP_659443, 21450717
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**Predicted: 16, 22, 23, 28 kDa** **Observed: 23 kDa KDa**
Application Notes	**SUSD3 antibody can be used for the detection of SUSD3 by Western blot at 1 - 2 µg/mL.**

SUSD3 Antibody - Additional Information

Gene ID **203328**

Target/Specificity
SUSD3; SUSD3 antibody is human and mouse reactive. Multiple isoforms of SUSD3 are known to exist.

Reconstitution & Storage
SUSD3 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.

Precautions
SUSD3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SUSD3 Antibody - Protein Information

Name SUSD3

Function
May play a role in breast tumorigenesis by promoting estrogen-dependent cell proliferation, cell-cell interactions and migration.

Cellular Location
Cell membrane; Single-pass membrane protein. Note=Prominently localized to cell-cell borders.

Tissue Location
Highly expressed in estrogen receptor-positive breast tumors.

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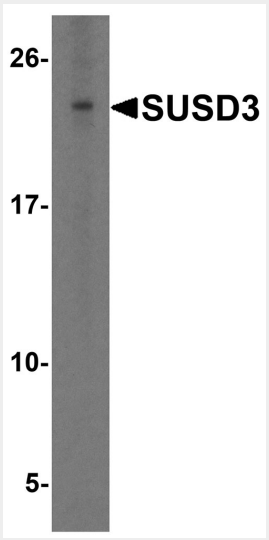
SUSD3 Antibody - Protocols

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

SUSD3 Antibody - Images



Western blot analysis of SUSD3 in HeLa cell lysate with SUSD3 antibody at 1 µg/ml.

SUSD3 Antibody - Background

Little is known of the function of the sushi domain containing 3 protein (SUSD3), but its expression has been reported in estrogen receptor-alpha (ERalpha)-positive breast tumors with decreased expression reported in aggressive malignant tumors (1,2). Recently, SUSD3 has been found to promote estrogen-dependent cell proliferation and may regulate cell-cell and cell-substrate interactions and migration in breast cancer (3). Furthermore, elevated SUSD3 mRNA levels were observed in aromatase inhibitor-responsive breast tumors, suggesting that it may also serve as a novel predictor of response to endocrine therapy and a potential therapeutic target (3).

SUSD3 Antibody - References

Abba MC, Hu Y, Sun H, et al. Gene expression signature of estrogen receptor alpha status in breast cancer. BMC Genomics 2005; 6:37.
Parris TZ, Danielsson A, Nemes S, et al. Clinical implications of gene dosage and gene expression patterns in diploid breast cancer. Clin. Cancer Res. 2010; 16:3860-74.
Moy I, Todorovic V, Dubash AD, et al. Estrogen-dependent sushi domain containing 3 regulates cytoskeleton organization and migration in breast cancer cells. Oncogene 2015; 34:323-33.