

**SUSD3 Antibody**  
**Catalog # ASC11969****Specification**

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**SUSD3 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q96L08</a>
Other Accession	<a href="#">NP_659443</a> , <a href="#">21450717</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 16, 22, 23, 28 kDa
Application Notes	Observed: 23 kDa KDa 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°C for three months and -20°C, 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.

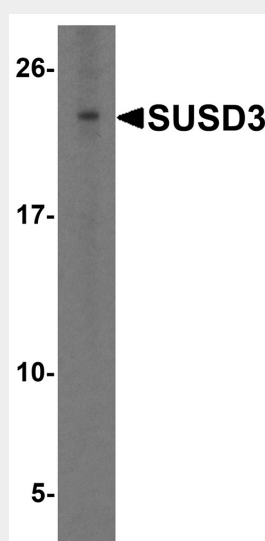
**Tissue Location**  
Highly expressed in estrogen receptor-positive breast tumors.

## 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 Cytometry](#)
- [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.