

Datasheet for ABIN2784078  
**anti-Surfeit 4 antibody (N-Term)**



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2 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	Surfeit 4 (SURF4)
Binding Specificity:	N-Term
Reactivity:	Mouse, Human, Rat, Cow, Dog, Guinea Pig, Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Surfeit 4 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SURF4
Sequence:	GQNDLMGTAE DFADQFLRVT KQYLPHVARL CLISTFLEDG IRMWFWQSEQ
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against SURF4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

### Target Details

Target:	Surfeit 4 (SURF4)
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## Target Details

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Alternative Name: SURF4 ([SURF4 Products](#))

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Background: SURF4 is a conserved integral membrane protein containing multiple putative transmembrane regions. In eukaryotic cells, protein transport between the endoplasmic reticulum and Golgi compartments is mediated in part by non-clathrin-coated vesicular coat proteins (COPs). The specific function of this protein has not been determined but its yeast homolog is directly required for packaging glycosylated pro-alpha-factor into COPII vesicles. This gene is located in the surfet gene cluster, which is comprised of very tightly linked housekeeping genes that do not share sequence similarity. The encoded protein is a conserved integral membrane protein containing multiple putative transmembrane regions. In eukaryotic cells, protein transport between the endoplasmic reticulum and Golgi compartments is mediated in part by non-clathrin-coated vesicular coat proteins (COPs). The specific function of this protein has not been determined but its yeast homolog is directly required for packaging glycosylated pro-alpha-factor into COPII vesicles. This gene uses multiple polyadenylation sites, resulting in transcript length variation. The existence of alternatively spliced transcript variants has been suggested, but their validity has not been determined.

Alias Symbols: ERV29, FLJ22993, MGC102753

Protein Interaction Partner: UBC, LGR4, MMS19, env, UBL4A, VKORC1, SRSF5, SRSF1, SAFB, S100A9, PSAP, P4HB, NPM1, NHP2L1, NFIA, SEPT2, HSPA5, SEPT7, NDUFB11, HP1BP3, PHGDH, SF3B1, NCSTN, SAP18, SRSF7, TMEM173, UNC93B1, C20orf24, SERINC3, DEGS1, Protein Size: 269

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Molecular Weight: 30 kDa

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Gene ID: 6836

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NCBI Accession: [NM\\_033161](#), [NP\\_149351](#)

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UniProt: [O15260](#)

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## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 269 AA

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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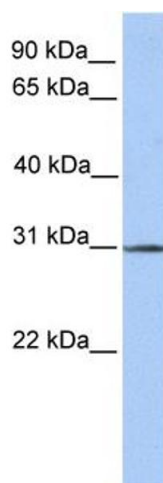
## Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

Product cited in:	Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha, Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass spectrometry. ..." in: <b>Molecular systems biology</b> , Vol. 3, pp. 89, (2007) ( <a href="#">PubMed</a> ).
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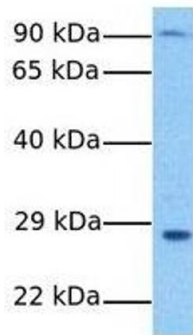
## Images



### Western Blotting

**Image 1.** WB Suggested Anti-SURF4 Antibody Titration: 0.2-1 ug/ml Positive Control: Human Lung

# SURF4



## Western Blotting

**Image 2.** Host: Rabbit Target Name: SURF4 Sample Tissue: Human Stomach Tumor Antibody Dilution: 1.0ug/ml