



## Dysadherin 2 (M-14): sc-30609

### BACKGROUND

Dysadherin (FXVD domain-containing ion transport regulator 5) is a cancer-associated cell membrane glycoprotein. Dysadherin down-regulates the expression of E-cadherin, the prime mediator of cell-cell adhesion in epithelial cells, by a post-transcriptional mechanism. Decreasing intercellular adhesiveness facilitates the metastasis of cancer cells. Dysadherin is present in spleen, lung, skeletal muscle, and testis tissue, and maps to human chromosome 19q12-q13.1.

### REFERENCES

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2. Shimamura, T., et al. 2004. Dysadherin expression facilitates cell motility and metastatic potential of human pancreatic cancer cells. *Cancer Res.* 64(19): 6989-6995.
3. Shimamura, T., et al. 2003. Dysadherin overexpression in pancreatic ductal adenocarcinoma reflects tumor aggressiveness: relationship to e-cadherin expression. *J. Clin. Oncol.* 21(4): 659-667.
4. Hirohashi, S., Kanai, Y. 2003. Cell adhesion system and human cancer morphogenesis. *Cancer Sci.* 7: 575-581.
5. Sato, H., Ino, Y., Miura, A., Abe, Y., Sakai, H., Ito, K., Hirohashi, S. 2003. Dysadherin: expression and clinical significance in thyroid carcinoma. *J. Clin. Endocrinol. Metab.* 9: 4407-4412.
6. Ino, Y., et al. 2002. Dysadherin, a cancer-associated cell membrane glycoprotein, down-regulates E-cadherin and promotes metastasis. *Proc. Natl. Acad. Sci. U. S. A.* 99(1): 365-370.
7. SWISS-PROT/TrEMBL (P97808). World Wide Web URL: <http://www.expasy.ch/sprot/sprot-top.html>
8. LocusLink Report (LocusID: 53827). <http://www.ncbi.nlm.nih.gov/LocusLink/>

### SOURCE

Dysadherin 2 (M-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within a C-terminal cytoplasmic domain of Dysadherin isoform 2 of mouse origin.

### PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-30609 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

### RESEARCH USE

For research use only, not for use in diagnostic procedures.

### APPLICATIONS

Dysadherin 2 (M-14) is recommended for detection of Dysadherin isoform 2 of mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500); non cross-reactive with human Dysadherin, or mouse or rat isoform 1.

### RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

### PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.