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Diagnostik & molekulare Diagnostik



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### Zuschläge

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- Gefahrgutzuschlag
- Expressversand

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# Dcun1D1 (m3): 293T Lysate: sc-123266

## BACKGROUND

Dcun1D1, (defective in cullin neddylation protein 1-like protein 1 or DCN1-like protein 1), also designated Rp42, Tes3 or squamous cell carcinoma-related oncogene (SCCRO) is involved in the malignant transformation of squamous cell lineage. Dcun1D1 regulates Gli1, a key regulator of the hedgehog (HH) pathway that plays an important role in development, maintenance, and regeneration of almost all adult tissues. Vascular endothelial growth factor-A (VEGF-A) is co-expressed with Dcun1D1, and the two function to induce angiogenesis. Overexpression of the Dcun1D1 gene is associated with invasive tumor progression and a poor outcome in non-small cell lung cancer, and low-level Dcun1D1 expression in adjacent benign lung tissue predicts an even worse survival rate. Dcun1D1 expression may be a marker of progressive dedifferentiation in squamous cell tumors.

## REFERENCES

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2. Lum, L. and Beachy, P.A. 2004. The hedgehog response network: sensors, switches, and routers. *Science* 304: 1755-1759.
3. Sarkaria, I.S., et al. 2004. SCCRO expression correlates with invasive progression in bronchioloalveolar carcinoma. *Ann. Thorac. Surg.* 78: 1734-1741.
4. Sarkaria, I.S., et al. 2004. Squamous cell carcinoma-related oncogene is highly expressed in developing, normal, and adenomatous adrenal tissue but not in aggressive adrenocortical carcinomas. *Surgery* 136: 1122-1128.
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5. Kurz, T., et al. 2005. The conserved protein DCN-1/Dcn1p is required for cullin neddylation in *C. elegans* and *S. cerevisiae*. *Nature* 435: 1257-1261.
7. Jacques, C., et al. 2005. Two-step differential expression analysis reveals a new set of genes involved in thyroid oncocytic tumors. *J. Clin. Endocrinol. Metab.* 90: 2314-20.
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## CHROMOSOMAL LOCATION

Genetic locus: Dcun1d1 (mouse) mapping to 3 B.

## PRODUCT

Dcun1D1 (m3): 293T Lysate represents a lysate of mouse Dcun1D1 transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

## STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

## APPLICATIONS

Dcun1D1 (m3): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Dcun1D1 antibodies. Recommended use: 10-20  $\mu$ l per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

## RESEARCH USE

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

## PROTOCOLS

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