

Axl (m): 293T Lysate: sc-126473

BACKGROUND

The UFO family of receptor tyrosine kinases is comprised of subfamily members Rse (also designated Tyro3, Sky, Brt, Dtk, Etk2 and Tif), Axl (also designated UFO or ARK) and Mer (also designated Nyk or Eyk). Rse is expressed preferentially in the adult brain with lower expression in other tissues. Axl is found at highest levels in heart and skeletal muscle. Mer has been identified as a tyrosine kinase potentially involved in the development of glioblastomas. It is expressed at highest levels in ovary, prostate, lung and kidney. Gas6, a growth arrest specific gene, and the related anticoagulation factor Protein S, have been identified as ligands for the UFO family of receptors.

REFERENCES

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3. Mark, M.R., et al. 1994. Rse, a novel receptor-type tyrosine kinase with homology to Axl/UFO, is expressed at high levels in the brain. *J. Biol. Chem.* 269: 10720-10728.
4. Neubauer, A., et al. 1994. Expression of Axl, a transforming receptor tyrosine kinase, in normal and malignant hematopoiesis. *Blood* 84: 1931-1941.
5. Stitt, T.N., et al. 1995. The anticoagulation factor Protein S and its relative, Gas6, are ligands for the Tyro3/Axl family of receptor tyrosine kinases. *Cell* 80: 661-670.
6. Ling, L., et al. 1995. Mitogenic signals and transforming potential of Nyk, a newly identified neural cell adhesion molecule-related receptor tyrosine kinase. *Mol. Cell. Biol.* 15: 6582-6592.
7. Chen, J., et al. 1997. Identification of Gas6 as a ligand for Mer, a neural cell adhesion molecule related receptor tyrosine kinase implicated in cellular transformation. *Oncogene* 14: 2033-2039.

CHROMOSOMAL LOCATION

Genetic locus: Axl (mouse) mapping to 7 A3-B1.

PRODUCT

Axl (m): 293T Lysate represents a lysate of mouse Axl transfected 293T cells and is provided as 100 µg protein in 200 µl 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.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.

APPLICATIONS

Axl (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Axl antibodies. Recommended use: 10-20 µl 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.