**BACKGROUND**

The UFO family of receptor tyrosine kinases is comprised of subfamily members Rse (also designated Tyro3, Sky, Btr, 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**


**CHROMOSOMAL LOCATION**

Genetic locus: AXL (human) mapping to 19q13.2.

**SOURCE**

Axl (H-3) is a mouse monoclonal antibody raised against amino acids 771-894 of Axl of human origin.

**PRODUCT**

Each vial contains 200 µg IgG1 kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Axl (H-3) is available conjugated to agarose (sc-166269 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-166269 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; and to either phycoerythrin (sc-166269 PE), fluorescein (sc-166269 FITC), Alexa Fluor® 488 (sc-166269 AF488) or Alexa Fluor® 647 (sc-166269 AF647), 200 µg/ml, for IF, IHC(P) and FCM.

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**APPLICATIONS**

Axl (H-3) is recommended for detection of Axl of human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Axl siRNA (h): sc-29769, Axl shRNA Plasmid (h): sc-29769-SH and Axl shRNA (h) Lentiviral Particles: sc-29769-V.

Molecular Weight of Axl: 140 kDa.

Positive Controls: FHs 173We cell lysate: sc-2417, Caki-1 cell lysate: sc-2224 or Axl (h): sc-293T Lysate: sc-114191.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:

**DATA**

Axl (H-3): sc-166269. Western blot analysis of Axl expression in Caki-1 (A) and FHs 173We (B) whole cell lysates.

Axl (H-3): sc-166269. Western blot analysis of Axl expression in non-transfected: sc-117752 (A) and human Axl transfected: sc-114191 (B) 293T whole cell lysates.

**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.

**PROTOCOLS**

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