**BACKGROUND**

Acidic and basic fibroblast growth factors (FGFs) are members of a family of multifunctional polypeptide growth factors that stimulate proliferation of cells of mesenchymal, epithelial and neuroectodermal origin. Like other growth factors, FGFs act by binding and activating specific cell surface receptors. These receptors usually contain an extracellular ligand-binding region containing three immunoglobulin-like domains, a transmembrane domain and a cytoplasmic tyrosine kinase domain. Fibroblast growth factor-15 (FGF-15), a secreted protein expressed mainly in the developing brain, is important for cell division and patterning regulation in specific embryonic brain regions.

**CHROMOSOMAL LOCATION**

Genetic locus: Fgf15 (mouse) mapping to 7 F5.

**SOURCE**

FGF-15 (D-9) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 194-218 near the C-terminus of FGF-15 of mouse origin.

**PRODUCT**

Each vial contains 200 μg IgG2a kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

FGF-15 (D-9) is available conjugated to agarose (sc-514647 AC), 500 μg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-514647 HRP), 200 μg/ml, for WB, IHC/P and ELISA; to either phycoerythrin (sc-514647 PE), fluorescein (sc-514647 FITC), Alexa Fluor® 488 (sc-514647 AF488), Alexa Fluor® 546 (sc-514647 AF546), Alexa Fluor® 594 (sc-514647 AF594) or Alexa Fluor® 647 (sc-514647 AF647), 200 μg/ml, for WB (RGB), IF, IHC/P and FCM; and to either Alexa Fluor® 680 (sc-514647 AF680) or Alexa Fluor® 790 (sc-514647 AF790), 200 μg/ml, for Near-Infrared (NIR) WB, IF and FCM.

Blocking peptide available for competition studies, sc-514647 P, (100 μg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

Alexa Fluor® is a trademark of Molecular Probes, Inc., Oregon, USA.

**APPLICATIONS**

FGF-15 (D-9) is recommended for detection of precursor and mature FGF-15 of mouse 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), immunohistochemistry (including para-frozen sections) (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 FGF-15 siRNA (m): sc-39473, FGF-15 shRNA Plasmid (m): sc-39473-SH and FGF-15 shRNA (m) Lentiviral Particles: sc-39473-V.

Molecular Weight of FGF-15: 25 kDa.


**STORAGE**

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

**DATA**

FGF-15 (D-9): sc-514647. Western blot analysis of FGF-15 expression in non-transfected: sc-117752 (A) and mouse FGF-15 transfected: sc-126850 (B) 293T whole cell lysates.

**SELECT PRODUCT CITATIONS**


**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.