

DATASHEET

Version: 2016-08-17

FGF-acidic Antibody (3A11G5), mAb, Mouse

Cat. No.: A01518-40

Size: 40 µg

Synonyms: FGF-acidic Antibody, mAb, Mouse;

Description:

FGF acidic, also known as FGF-1, ECGF, and HBGF-1, is a 17 kDa nonglycosylated member of the FGF family of mitogenic peptides. FGF acidic, which is produced by multiple cell types, stimulates the proliferation of all cells of mesodermal origin and many cells of neuroectodermal, ectodermal, and endodermal origin. It plays a number of roles in development, regeneration, and angiogenesis. Alternate splicing generates a truncated isoform of human FGF acidic that consists of the N-terminal 40% of the molecule and functions as a receptor antagonist.

Immunogen: Human FGF acidic recombinant protein

Host: Mouse

Antigen Synonyms: Human

Conjugation: Unconjugated

Fusion Partner:

Spleen cells were fused with SP2/0-Ag14 mouse myeloma cells

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Clone: 3A11G5

Ig Subclass: IgG1, κ

Specificity: No cross reactivity with hFGF-6, hFGF-16, hFGF-17, hFGF-18, FGF basic.

Purification: Protein A affinity column

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Western blot: 0.1-1.0 µg/ml

Immunohistochemistry: 10-20 µg/ml **Other applications:** user-optimized

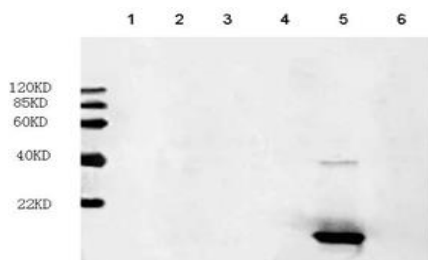
Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

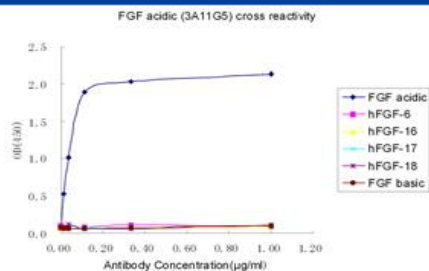
Example



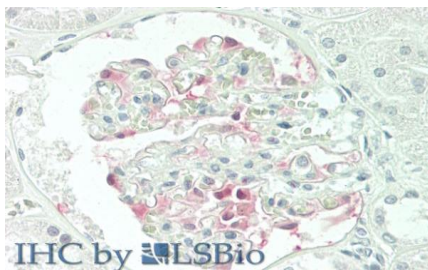
Primary antibody: 1µg/ml FGF acidic Antibody, mAb, mouse (GenScript, Cat. No. A01518)

Secondary antibody: IRDye800 Conjugated affinity purified anti-Mouse IgG [GOAT] (ROCKLAND, 1:10,000, 610-132-121)

Loading: Lane 1: hFGF-6 recombinant protein (200ng) Lane 2: hFGF-16 recombinant protein (200ng) Lane 3: hFGF-17 recombinant protein (200ng) Lane 4: hFGF-18 recombinant protein (200ng) Lane 5: FGF acidic recombinant protein (200ng) Lane 6: FGF basic recombinant protein (200ng)



Cross Reactivity Detection



Immunohistochemistry analysis of human kidney tissue slide (Paraffin embedded) using FGF-acidic Antibody (3A11G5), mAb, Mouse (GenScript, Cat.No. A01518, rec ≥ 20 $\mu\text{g/ml}$)