

## Basic Information

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|--------------------|--|
| Product Name       | Anti-FGF2 Antibody   |
| Gene Name          | FGF2   |
| Source             | Rabbit   |
| Isotype            | IgG  |
| Species Reactivity | human, mouse, rat  |
| Tested Application | WB   |
| Contents           | 500 ug/ml antibody with PBS , 0.02% NaN3 , 1 mg BSA and 50% glycerol.  |
| Immunogen          | A synthetic peptide corresponding to a sequence at the C-terminus of human FGF2 (219-249aa KEDGRLLASKCVTDECFFFERLESNNYNTYR), different from the related mouse and rat sequences by one amino acid. |
| concentration      | 500 ug/ml  |
| Purification       | Immunogen affinity purified.   |
| Observed MW        | 18KD   |
| Dilution Ratios    | Western blot(WB):1:500-2000  |

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

FGF2 has been implicated in a multitude of physiologic and pathologic processes, including limb development, angiogenesis, wound healing, and tumor growth. Human FGF2 shares 96% and 97% amino acid sequence homology with mouse and rat respectively. FGF2 belongs to the fibroblast growth factor (FGF) family. Fibroblast growth factors (FGFs) exhibit widespread mitogenic and neurotrophic activities. Nine members of the family are currently known, and FGF-1 and FGF-2 are present in relatively high levels in CNS. FGF-2 is expressed by at low levels in many tissues and cell types and reaches high concentrations in brain and pituitary.

## Reference

Anti-FGF2 Antibody被引用在3文献中。

## Selected Validation Data



Figure 1. Western blot analysis of FGF2 using anti-FGF2 antibody (PB0619). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: Human Placenta Tissue Lysate, Lane 2: Rat Brain Tissue Lysate, Lane 3: Rat Kidney Tissue Lysate, Lane 4: Rat Spleen Tissue Lysate. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-FGF2 antigen affinity purified polyclonal antibody (Catalog # PB0619) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for FGF2 at approximately 17KD. The expected band size for FGF2 is at 17KD.