Datasheet for ABIN3030939

# anti-FGF8 antibody (C-Term)

3 Images

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## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | FGF8 |
| Binding Specificity: | C-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This FGF8 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

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| Immunogen: | An amino acid sequence from the C-terminus of human FGF8 (FMKRLPRGHHTTEQSLRFEFLNY) was used as the immunogen for this FGF8 antibody (100% homologous in human, mouse and rat). |
| Isotype: | IgG |
| Purification: | Antigen affinity |

## Target Details

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| Target: | FGF8 |
| Alternative Name: | FGF8 (FGF8 Products) |
| Background: | Fibroblast growth factor 8(androgen-induced), also known as FGF8 or AIGF, is a human gene which maps to 10q24. The protein encoded by this gene are secreted proteins that interact with |

## Target Details

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| | FGF tyrosine kinase receptors to mediate growth and development. This protein is known to be a factor that supports androgen and anchorage independent growth of mammary tumor cells. Overexpression of this gene has been shown to increase tumor growth and angiogensis. The temporal and spatial patterns of this gene expression suggest that FGF8 is involved in gastrulation, regionalization of the brain, and organogenesis of the limb and face as an embryonic epithelial factor. The adult expression of FGF8 is restricted to gonads, including testes and ovaries. FGF8 stimulated growth of human prostate carcinoma cells and mouse fibroblasts and mammary carcinoma cells in a dose-dependent manner. It also may play an important role in growth and patterning of limbs, face, and central nervous system. FGF8 is expressed in increased levels in breast cancer and in lactating human breast, it was also detected in human milk. A survey of other normal tissues showed that FGF8 is expressed in the proliferative cells of the skin and epithelial cells in colon, ovary, fallopian tube, and uterus. |
| UniProt: | P55075 |
| Pathways: | RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Dopaminergic Neurogenesis |

## Application Details

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| Application Notes: | The stated application concentrations are suggested starting amounts. Titration of the FGF8 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL |
| Restrictions: | For Research Use only |

## Handling

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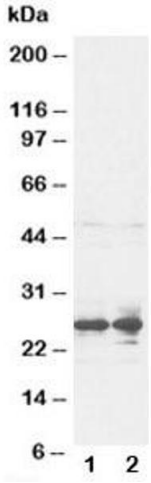
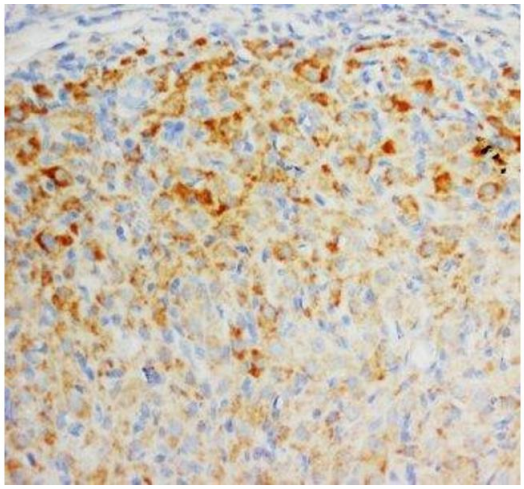
| Buffer: | 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water |
| Storage: | -20 °C |
| Storage Comment: | After reconstitution, the FGF8 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing. |



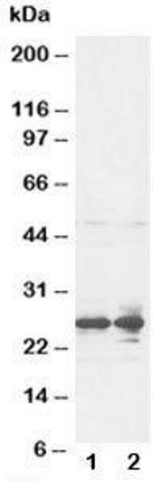

**Western Blotting**

**Image 1.** Western blot testing of FGF8 antibody and rat ovary tissue lysate



**Immunohistochemistry**

**Image 2.** IHC-P: FGF8 antibody testing of rat ovary tissue




**Western Blotting**

**Image 3.** Western blot testing of FGF8 antibody and rat ovary tissue lysate