

ARG43745 FGF8 antibody

Package: 50 µg
Store at: -20°C

Summary

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|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes FGF8 |
| Tested Reactivity | Hu, Rat |
| Tested Application | WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | FGF8 |
| Species | Human |
| Immunogen | Recombinant protein corresponding to Q23-R233 of Human FGF8. |
| Conjugation | Un-conjugated |
| Alternate Names | Fibroblast growth factor 8; HH6; AIGF; FGF-8; HBGF-8; KAL6; Heparin-binding growth factor 8; Androgen-induced growth factor |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|-----------------|
| | WB | 1:1000 - 1:2000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Observed Size | 26-30 kDa | |

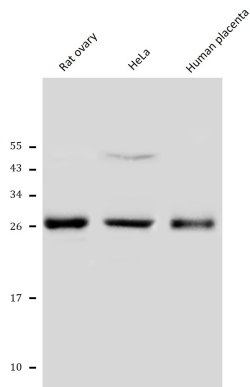
Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA. |
| Preservative | 0.05% Sodium azide |
| Stabilizer | 5% BSA |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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|-----------------------|---|
| Gene Symbol | FGF8 |
| Gene Full Name | fibroblast growth factor 8 (androgen-induced) |
| Background | <p>The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. 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 angiogenesis. The adult expression of this gene is restricted to testes and ovaries. Temporal and spatial pattern of this gene expression suggests its function as an embryonic epithelial factor. Studies of the mouse and chick homologs revealed roles in midbrain and limb development, organogenesis, embryo gastrulation and left-right axis determination. The alternative splicing of this gene results in four transcript variants. [provided by RefSeq, Jul 2008]</p> |
| Function | <p>Plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. Required for normal brain, eye, ear and limb development during embryogenesis. Required for normal development of the gonadotropin-releasing hormone (GnRH) neuronal system. Plays a role in neurite outgrowth in hippocampal cells. [UniProt]</p> |
| Calculated Mw | 27 kDa |
| PTM | Glycoprotein |
| Cellular Localization | Secreted. [UniProt] |

Images



ARG43745 anti-FGF8 antibody WB image

Western blot: Rat ovary tissue, HeLa cell, human placenta tissue lysates stained with ARG43745 anti-FGF8 antibody at 0.5 ug/mL dilution.