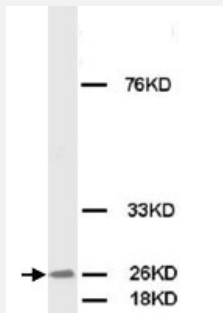


FGF8 polyclonal antibody

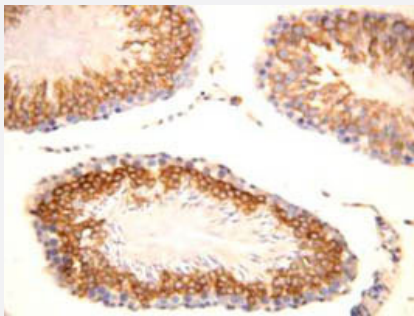
Catalog # PAB12306 Size 100 ug

Applications



Western Blot (Cell lysate)

Western Blot analysis of FGF8 expression from MCF-7 cell lysate with FGF8 polyclonal antibody (Cat # PAB12306).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of FGF8 on formalin fixed, paraffin embedded rat testicle with FGF8 polyclonal antibody (Cat # PAB12306).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of FGF8.
Immunogen	A synthetic peptide corresponding to amino acids at C-terminus of human FGF8.
Host	Rabbit
Theoretical MW (kDa)	26.5
Reactivity	Human, Mouse, Rat
Specificity	Identical to the related rat and mouse sequence.
Form	Lyophilized

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of FGF8 expression from MCF-7 cell lysate with FGF8 polyclonal antibody (Cat # PAB12306).

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Immunohistochemical staining of FGF8 on formalin fixed, paraffin embedded rat testicle with FGF8 polyclonal antibody (Cat # PAB12306).

Gene Info — FGF8

Entrez GeneID	2253
Gene Name	FGF8
Gene Alias	AIGF, HBGF-8, MGC149376
Gene Description	fibroblast growth factor 8 (androgen-induced)
Omim ID	600483
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

OTTHUMP00000020348|OTTHUMP00000020349|OTTHUMP00000020350|OTTHUMP00000020351|androgen-induced growth factor|fibroblast growth factor 8

Publication Reference

- [CMV-induced pathology: pathway and gene-gene interaction analysis.](#)

Melnick M, Deluca KA, Jaskoll T.

Experimental and Molecular Pathology 2014 Aug; 97(1):154.

Application: IF, Mouse, Submandibular glands

- [Fibroblast growth factor 8 is expressed at higher levels in lactating human breast and in breast cancer.](#)

Zammit C, Coope R, Gomm JJ, Shousha S, Johnston CL, Coombes RC.

British Journal of Cancer 2002 Apr; 86(7):1097.

Application: IHC-P, WB-Re, Human, Human lactating mammary glands, Human breast cancer tissues, Human breast milk, Recombinant protein

- [Genomic structure, sequence, and mapping of human FGF8 with no evidence for its role in craniosynostosis/limb defect syndromes.](#)

Yoshiura K, Leysens NJ, Chang J, Ward D, Murray JC, Muenke M.

American Journal of Medical Genetics 1997 Oct; 72(3):354.

- [Human androgen-induced growth factor in prostate and breast cancer cells: its molecular cloning and growth properties.](#)

Tanaka A, Miyamoto K, Matsuo H, Matsumoto K, Yoshida H.

FEBS Letters 1995 Apr; 363(3):226.

Application: WB-Ce, WB-Re, WB-Tr, Human, Mammalian cells, Tissues

Pathway

- [MAPK signaling pathway](#)
- [Melanoma](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Hypospadias](#)