ARG53020
anti-FGFR3 antibody

Package: 500 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FGFR3
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FGFR3
Species	Human
Immunogen	Synthetic peptide derived from internal region of human FGFR-3 protein.
Conjugation	Un-conjugated
Alternate Names	CEK2; CD antigen CD333; FGFR-3; ACH; JTK4; Fibroblast growth factor receptor 3; CD333; EC 2.7.10.1; HSFGFR3EX

Application Instructions

Application table

Application	Dilution
IHC-P	1:25

Application Note: IHC-P: Antigen Retrieval: Boil tissue section in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.
Incubation Time: 30 min at RT.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Breast, Breast Carcinoma

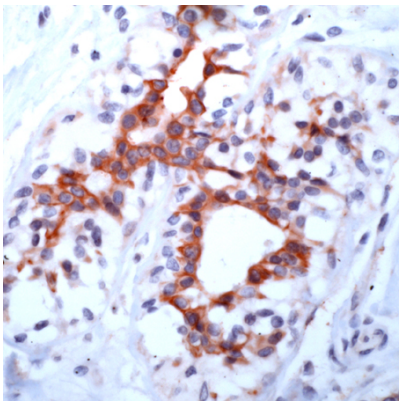
Properties

Form	Liquid
Purification	Immunogen affinity purified
Buffer	PBS (pH 7.6), 1% BSA and < 0.1% Sodium azide
Preservative	< 0.1% Sodium azide
Stabilizer	1% BSA
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

Database links	GeneID: 2261 Human Swiss-port # P22607 Human
Background	Fibroblast growth factors (FGFs) are members of a large family of structurally related polypeptides that are potent physiological regulators of growth and differentiation for a wide variet of cells of mesodermal, ectodermal and endodermal origin. Four genes encoding for high affinity cell surface FGF receptors (FGFRs) have been identified: FGFR-1, FGFR-2, FGFR-3 and FGFR-4.FGFRs are emembers of the tyrosine kinase family of growth factor receptors. FGFR-3 is widely expressed in many fetal and adult human and animal tissues.
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Developmental Biology antibody; Signaling Transduction antibody
Calculated Mw	88 kDa
PTM	Autophosphorylated. Binding of FGF family members together with heparan sulfate proteoglycan or heparin promotes receptor dimerization and autophosphorylation on tyrosine residues. Autophosphorylation occurs in trans between the two FGFR molecules present in the dimer. Phosphorylation at Tyr-724 is essential for stimulation of cell proliferation and activation of PIK3R1, STAT1 and MAP kinase signaling. Phosphorylation at Tyr-760 is required for interaction with PIK3R1 and PLCG1. Ubiquitinated. Is rapidly ubiquitinated after ligand binding and autophosphorylation, leading to receptor internalization and degradation. Subject to both proteasomal and lysosomal degradation. N-glycosylated in the endoplasmic reticulum. The N-glycan chains undergo further maturation to an Endo H-resistant form in the Golgi apparatus.
Cellular Localization	Cytoplasm

Images



ARG53020 anti-FGFR3 antibody IHC-P image

Immunohistochemistry: Human Breast stained with ARG53020 anti-FGFR3 antibody.