

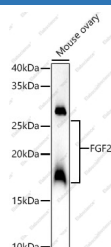
(KO Validated) FGF2 Polyclonal Antibody

catalog number: E-AB-93292

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human FGF2
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.
Applications	Recommended Dilution
WB	1:500-1:2000

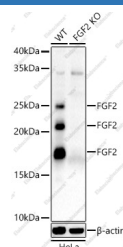
Data



Western blot analysis of Mouse ovary using FGF2 Polyclonal Antibody at 1:2500 dilution.

Observed-MW:18 kDa/22 kDa/24 kDa

Calculated-MW:17 kDa/21 kDa/22 kDa/30 kDa



Western blot analysis of extracts from wild type (WT) and FGF2 knockout (KO) HeLa cells using FGF2 Polyclonal Antibody at 1:2000 dilution.

Observed-MW:18 kDa/22 kDa/24 kDa

Calculated-MW:17 kDa/21 kDa/22 kDa/30 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from non-AUG (CUG) and AUG initiation codons, resulting in five different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF.

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