

HIF1AN Polyclonal Antibody

catalog number: E-AB-13556

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

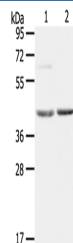
Description

Reactivity	Human;Mouse
Immunogen	Synthetic peptide of human HIF1AN
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

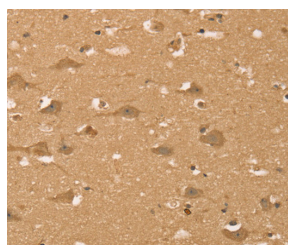
Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:300

Data

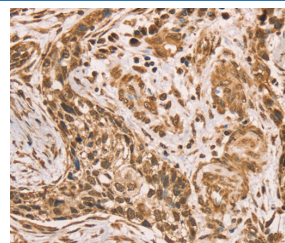


Western Blot analysis of Mouse brain and liver tissue using HIF1AN Polyclonal Antibody at dilution of 1:200

Calculated-MW:40 kDa



Immunohistochemistry of paraffin-embedded Human brain using HIF1AN Polyclonal Antibody at dilution of 1:40



Immunohistochemistry of paraffin-embedded Human esophagus cancer using HIF1AN Polyclonal Antibody at dilution of 1:40

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

Factor inhibiting HIF-1 (FIH-1) exists as a homodimer and binds to HIF-1alpha. Specifically, FIH-1 operates as an asparaginyl hydroxylase. It catalyzes the hydroxylation of the beta-carbon of Asparagine residue 803 within the carboxy terminal transactivation domain of HIF-1alpha. This hydroxylation event blocks the association of HIF-1alpha with co-activators. FIH-1 also binds to von Hippel-Lindau (VHL) tumor suppressor protein, which represses transcriptional activity of HIF-1alpha. In transiently transfected human osteosarcoma cells, FIH-1 localizes to the cytoplasm.

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