

Anti-HIF-1 alpha Polyclonal Antibody 2

Product Details

Ig Type: IgG
Reactivity: Human (predicted:Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight: Theoretical: 92 kDa.
Purification: Protein A purified

Applications

1. Blank control (blue line): Hela (fixed with 80% methanol (5 min) and and then permeabilized with 0.01M PBS-Tween for 20 min)

Primary Antibody (green line): Rabbit Anti-HIF-1 Alpha antibody (TMAB-00856), Dilution: 1 $\mu\text{g}/10^6$ cells;

Isotype Control Antibody (orange line): Rabbit IgG.

Verified Activity: Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC, Dilution: 1 $\mu\text{g}/\text{test}$.

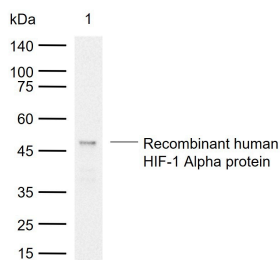
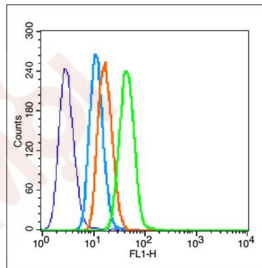
2. Sample:

Lane 1: Recombinant human HIF-1 Alpha protein, N-Trx-His at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 92 kDa

Observed band size: 47 kDa



Application: FCM

Recommended FCM=1 $\mu\text{g}/\text{Test}$

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human HIF-1 Alpha

Antigen Species: Human

Gene ID: 3091

Uniprot ID: Q16665

Synonyms: hypoxia inducible factor 1, α subunit (basic helix-loop-helix transcription factor); hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor); HIF1- α ; MOP1; PASD8; HIF-1 α ; HIF-1A; HIF-1alpha; HIF1-ALPHA; HIF-1 α ; bHLHe78; HIF1

Biology Area: HIF, Hydroxylases, HIF, Jumonji containing proteins, Methylation

Research Background

Hypoxia inducible factor alpha not only plays a particularly important role in maintaining normal physiological functions of the body under hypoxic conditions, but also plays a crucial role in pathological processes such as tumor growth and neuronal apoptosis. HIF1 alpha can regulate the expression levels of many downstream genes. Mammalian cells exhibit HIF under low oxygen pressure conditions. HIF is a transcription factor that stabilizes cellular hypoxia.

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