



Category: Monoclonal Antibodies
Product Name: Mouse Monoclonal Antibody to HIF1A

Catalog Number: MAB-606030195

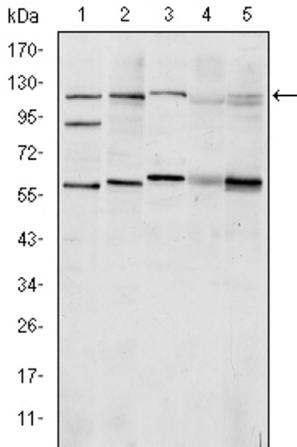


Figure 1: Western blot analysis using HIF1A mouse mAb against Cos7 (1), HeLa (2), Jurkat (3), RAJI (4) and NIH/3T3 (5) cell lysate.

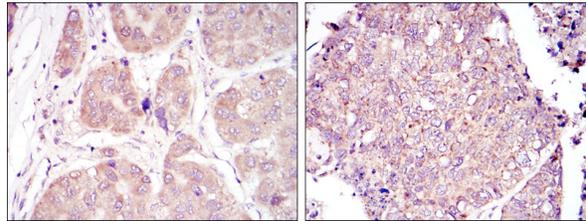


Figure 2: Immunohistochemical analysis of paraffin-embedded liver cancer tissues (left) and lung cancer tissues (right) using HIF1A mouse mAb with DAB staining.

Lot#:
Clone#: 1A3
Host and isotype: Mouse IgG1
Size: 0.1ml
MW: 120kDa
Aliases: HIF1; MOP1; PASD8; bHLHe78; HIF-1alpha; HIF1-ALPHA; HIF1A
Entrez Gene: 3091
Species reactivity: Human; Mouse; Monkey

Description Hypoxia-inducible factor-1 (HIF1) is a transcription factor found in mammalian cells cultured under reduced oxygen tension that plays an essential role in cellular and systemic homeostatic responses to hypoxia. HIF1 is a heterodimer composed of an alpha subunit and a beta subunit. The beta subunit has been identified as the aryl hydrocarbon receptor nuclear translocator (ARNT). This gene encodes the alpha subunit of HIF-1. Overexpression of a natural antisense transcript (aHIF) of this gene has been shown to be associated with nonpapillary renal carcinomas. Two alternative transcripts encoding different isoforms have been identified. (provided by RefSeq) Tissue specificity: Expressed in most tissues with highest levels in kidney and heart. Overexpressed in the majority of common human cancers and their metastases, due to the presence of intratumoral hypoxia and as a result of mutations in genes encoding oncoproteins and tumor suppressors.

Immunogen Purified recombinant fragment of human HIF1A expressed in E. Coli.

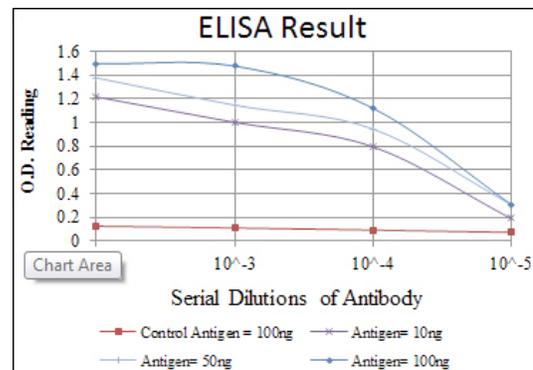
Application Western Blotting: 1/500 - 1/2000.
Immunohistochemistry: 1/200 - 1/1000.
Immunofluorescence: 1/200 - 1/1000.
ELISA: Propose dilution 1/10000.
Not yet tested in other applications.
Determining optimal working dilutions by titration test.

Formulation Ascitic fluid containing 0.03% sodium azide.

Storage Store at 4iæ, for long term storage, store at -20iæ.

Related product

References 1. Int J Radiat Oncol Biol Phys. 2008 Dec 1;72(5):1551-9.
2. Eur J Appl Physiol. 2009 Mar;105(4):515-24.



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