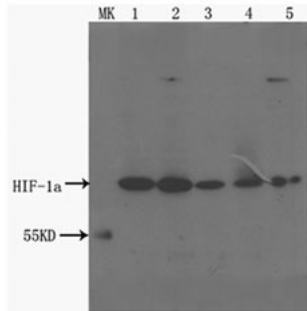


Rabbit polyclonal antibody to Hypoxia-inducible factor-1 alpha (775-790): Affinity purified

Catalogue No.:	R-1061-100
Description:	THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. Hypoxia-inducible factor-1 alpha (HIF-1 alpha) is a transcription factor involved in the induction of oxygen regulated genes in response to hypoxia. HIF-1 alpha binds to a specific DNA sequence within the hypoxia response element of target gene promoters. HIF-1 alpha is expressed in most tissue types and overexpressed in human cancers and their metastases. At least 2 isoforms of HIF-1 alpha are produced by alternative splicing.
Replaced by:	R-1722-100
Batch No.:	See product label
Unit size:	100 µg
Antigen:	A synthetic peptide (PSDLACRLLGQSMDES) corresponding to a region (775-790) from human Hypoxia-inducible factor 1 alpha. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
Other Names:	HIF-1 alpha; HIF1 alpha; ARNT-interacting protein; Member of PAS protein 1; Basic-helix-loop-helix-PAS protein MOP1; HIF1A; MOP1;
Accession:	Q16665 HIF1A_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Western Blotting (WB). A concentration of 2.0 µg/ml is recommended for WB. Human HIF-1 alpha (isoform 1) has a predicted length of 826 residues and a MW of 93 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB against the antigen.
Cross-reactivity:	Human; mouse; rat;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃
Reconstitution:	Reconstitute in 100 µl of sterile distilled water to achieve an antibody concentration of 1 mg/ml. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2 - 4°C (lyophilized formulations). After reconstitution, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles
Expiry Date:	12 months after purchase

FOR RESEARCH USE ONLY

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Western Blot using Rabbit polyclonal antibody to Hypoxia-inducible factor-1 alpha (R-1061-100). Lane 1: MCF-7 whole cell lysate Lane 2: HeLa whole cell lysate Lane 3: Jurkat whole cell lysate Lane 4: smmc whole cell lysate Lane 5: HT1080 whole cell lysate

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