

Product datasheet for **CF800737**

HIF3 alpha (HIF3A) Mouse Monoclonal Antibody [Clone ID: OTI2F7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2F7
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 355-669 of human HIF3A (NP_690008) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	hypoxia inducible factor 3 subunit alpha
Database Link:	NP_690008 Entrez Gene 64344 Human Q9Y2N7



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Background:

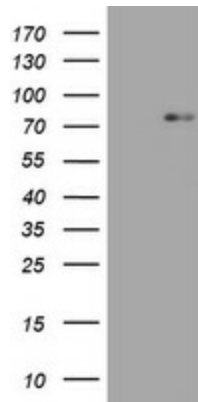
The protein encoded by this gene is the alpha-3 subunit of one of several alpha/beta-subunit heterodimeric transcription factors that regulate many adaptive responses to low oxygen tension (hypoxia). The alpha-3 subunit lacks the transactivation domain found in factors containing either the alpha-1 or alpha-2 subunits. It is thought that factors containing the alpha-3 subunit are negative regulators of hypoxia-inducible gene expression. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2011]

Synonyms:

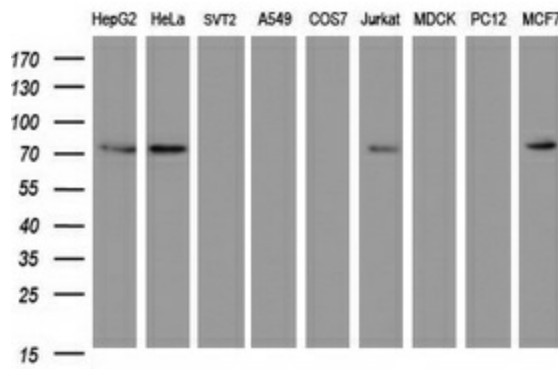
bHLHe17; HIF-3A; HIF3-alpha-1; IPAS; MOP7; PASD7

Protein Families:

Druggable Genome, Transcription Factors

Product images:


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HIF3A ([RC210255], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HIF3A. Positive lysates [LY407285] (100ug) and [LC407285] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-HIF3A monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human). Dilution: 1:500