

HIF-1 α Rabbit mAb (AR1606)

Key Features

Host Species:	Rabbit
Reactivity:	Human, Mouse
Applications:	WB, IF/IP, ELISA
Isotype:	IgG, Kappa
MW:	93kD (Calculated) 120kD (Observed)

Recommended Dilution Ratios

WB:	1:2000-10000
IF:	1:200-1000
IP:	1:50-200
ELISA:	1:5000-20000

Storage	-15°C to -25°C/1 year (Do not lower than -25°C)
---------	---

Basic Information

Clonality	Monoclonal
-----------	------------

Immunogen Information

Specificity	Endogenous
-------------	------------

Target Information

Gene name	HIF1A
-----------	-------

Protein Name	Hypoxia-inducible factor 1-alpha
--------------	----------------------------------

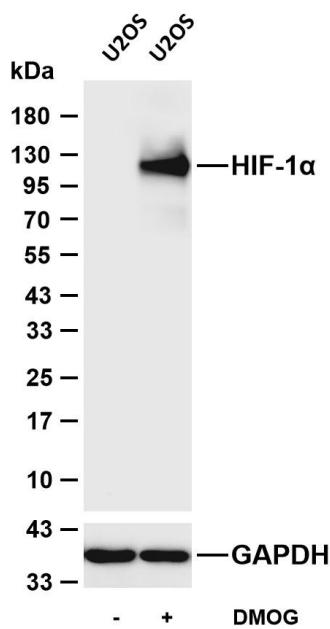
Organism	Gene ID	UniProt ID
Human	3091	Q16665
Mouse	15251	Q61221
Rat	29560	O35800

Cellular Localization	Cytoplasm . Nucleus . Nucleus speckle . Colocalizes with HIF3A in the nucleus and speckles (By similarity). Cytoplasmic in normoxia, nuclear translocation in response to hypoxia (PubMed:9822602).
-----------------------	---

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. A higher level expression seen in pituitary tumors as compared to the pituitary gland.

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-HIF-1 α antibody. The HRP conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

Lane 1: U2OS

Lane 2: U2OS was treated with DMOG(1mM) for 6 hours

Predicted band size: 93kDa

Observed band size: 120kDa

For Research Use Only