

HIF-1 α Rabbit pAb (AR20045)

Key Features

Host Species:	Rabbit
Reactivity:	Human, Mouse, Rat
Applications:	WB, IF, IHC, IP, ELISA
Isotype:	IgG
MW:	92-130kD (Observed)

Recommended Dilution Ratios

WB:	1:500-2000
IF:	1: 50-200
IHC:	1: 100-300
IP:	1: 200
ELISA:	1: 40000
Storage	-15°C to -25°C/1 year (Do not lower than -25°C)

Basic Information

Clonality	Polyclonal
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Immunogen Information

Specificity	HIF-1 α Polyclonal Antibody detects endogenous levels of HIF-1 α protein.
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Target Information

Gene name	HIF1A
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Protein Name	Hypoxia-inducible factor 1-alpha Organism Human
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Organism	Gene ID	UniProt ID
Human	3091	Q16665
Mouse	15251	Q61221
Rat	29560	O35800

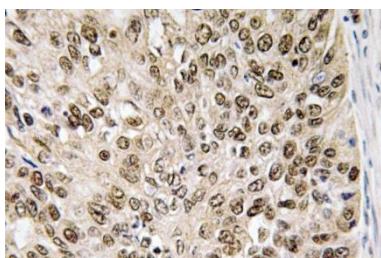
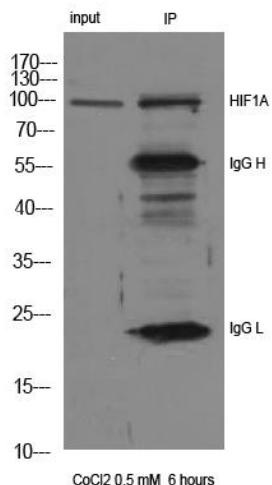
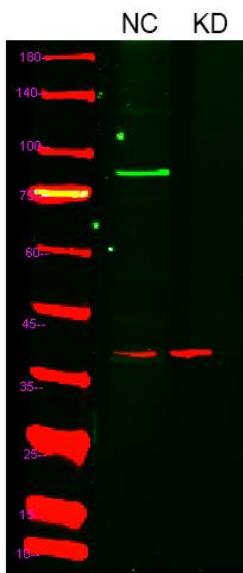
Cellular Localization	Cytoplasm. Nucleus. Nucleus speckle. Colocalizes with HIF3A in the nucleus and speckles (By similarity). Cytoplasmic in normoxia, nuclear
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Tissue specificity

translocation in response to hypoxia (PubMed:9822602).

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



Immunohistochemistry analysis of HIF-1 α antibody in paraffin-embedded human brain tissue.