Product datasheet for TA301435

HIF 2 alpha (EPAS1) Mouse Monoclonal Antibody [Clone ID: EP190B]

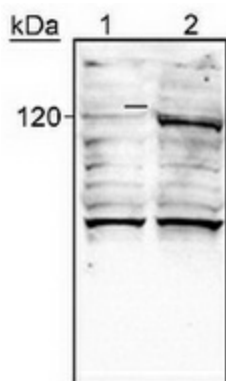## Product data:

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Product Type:	Primary Antibodies
Clone Name:	EP190B
Applications:	IHC, WB
Recommend Dilution:	WB: 1:500, IHC: 1: 150-1:300
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human HIF-2 alpha amino acids 535-631.
Formulation:	PBS and 0.1% sodium azide
Purification:	protein G purified
Gene Name:	endothelial PAS domain protein 1
Database Link:	NP_001421 Entrez Gene 29452 RatEntrez Gene 2034 Human
Background:	Hypoxia contributes significantly to the pathophysiology of major categories of human disease, including myocardial and cerebral ischemia, cancer, pulmonary hypertension, congenital heart disease and chronic obstructive pulmonary disease. HIF-2 alpha is predominantly expressed in highly vascularized tissues of adult humans and endothelial cells of the embryonic and adult mouse, whereas HIF-1 alpha functions primarily in extravascular tissues. HIF-2 alpha is also a potent activator of the tie-2 gene, which is known to be selectively expressed in endothelial cells.
Synonyms:	bHLHe73; ECYT4; HIF2A; HLF; MOP2; PASD2
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Pathways in cancer, Renal cell carcinoma

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Product images:

HIF-2 alpha detected in hypoxic human lysate. Lane 1: normoxic A549 lysate control, lane 2: hypoxic A549 lysate
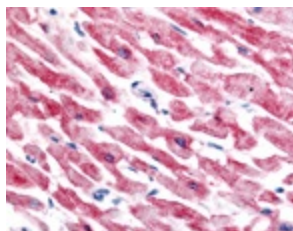
Staining of heart, cardiac myocytes