

DESCRIPTION

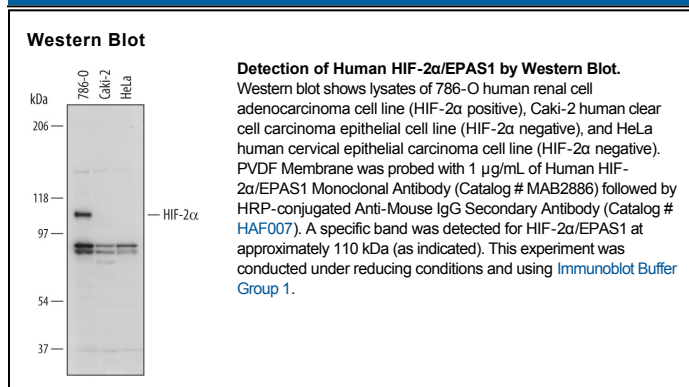
Species Reactivity	Human
Specificity	Detects human HIF-2 α /EPAS1 in Western blots.
Source	Monoclonal Mouse IgG _{2A} Clone # 318404
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human HIF-2 α /EPAS1 Ser543-Thr870 Accession # Q99814
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ m filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 μ g/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

The hypoxia-inducible transcription factor 2 α (HIF-2 α) is stabilized in hypoxic tissue and, similarly to HIF-1 α , complexes with Aryl hydrocarbon receptor nuclear translocator (ARNT). Both the HIF-1 and HIF-2 complexes bind hypoxia-response elements (HREs) in the promoters of many genes involved in adapting to an environment of insufficient oxygen or hypoxia. HIF-1 and HIF-2 do not appear completely redundant. Hypoxic tissue environments occur in vascular and pulmonary diseases as well as cancer, which illustrates the potentially broad impact of gene regulation by both HIF-1 α and HIF-2 α