

## Phospho-HIF1A (Ser641/Ser643) Ab

|               |                 |                       |
|---------------|-----------------|-----------------------|
| Cat.#: AF0062 | Concn.: ~1mg/ml | Mol.Wt.: 120kDa       |
| Size:         | Source: Rabbit  | Clonality: Polyclonal |

|               |  |
|---------------|--|
| Application:  | WB 1:500-1:2000<br>*The optimal dilutions should be determined by the end user.  |
| Reactivity:   | Human,Mouse,Rat  |
| Storage:      | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Stable for 15 months from date of receipt. Store at -20 °C. Stable for 12 months from date of receipt.   |
| Purification: | The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.   |
| Immunogen:    | A synthesized peptide derived from human HIF1A around the phosphorylation site of Ser641/643.  |
| Uniprot:      | Q16665   |
| Description:  | Cell growth and viability is compromised by oxygen deprivation (hypoxia). Hypoxia-inducible factors, including HIF-1?, Arnt 1 (also designated HIF-1?), EPAS-1 (also designated HIF-2?) and HIF-3?, induce glycolysis, erythropoiesis and angiogenesis in order to restore oxygen homeostasis. Hypoxia-inducible factors are members of the Per-Arnt-Sim (PAS) domain transcription factor family. |

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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