

# Anti-HIF1A [ESEE122]

**Catalogue number:** 151260

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Helen Turley

**Institute:** University of Oxford

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-HIF1A [ESEE122]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Induction of the Hif regulated genes, as a consequence of the microenvironment or genetic changes, is known to have an important role in the growth of experimental tumours. HIF1A has been observed in varying subsets of tumour cells from various solid tumours.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** GST-human HIF-1A amino acids 329-530 fusion protein

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:** Hypoxic cell pellets.

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Hypoxia-inducible factor 1, alpha subunit (HIF1A)

**Target alternate names:**

**Target background:** Induction of the Hif regulated genes, as a consequence of the microenvironment or genetic changes, is known to have an important role in the growth of experimental tumours. HIF1A has been observed in varying subsets of tumour cells from various solid tumours.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** ELISA ; IHC ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Giatromanolaki et al. 2003. J Pathol. 200(2):222-8. PMID: 12754744. ; DEC1 (STRA13)

protein expression relates to hypoxia- inducible factor 1-alpha and carbonic anhydrase-9 overexpression in non-small cell lung cancer. ; Hui et al. 2002. Clin Cancer Res. 8(8):2595-604. PMID: 12171890. ; Coexpression of hypoxia-inducible factors 1alpha and 2alpha, carbonic anhydrase IX, and vascular endothelial growth factor in nasopharyngeal carcinoma and relationship to survival. ; Beasley et al. 2002. Cancer Res. 62(9):2493-7. PMID: 11980639. ; Hypoxia-inducible factors HIF-1alpha and HIF-2alpha in head and neck cancer: relationship to tumor biology and treatment outcome in surgically resected patients. ; Talks et al. 2000. Am J Pathol. 157(2):411-21. PMID: 10934146. ; The expression and distribution of the hypoxia-inducible factors HIF-1alpha and HIF-2alpha in normal human tissues, cancers, and tumor-associated macrophages. ; Wiesener et al. 1998. Blood. 92(7):2260-8. PMID: 9746763. ; Induction of endothelial PAS domain protein-1 by hypoxia: characterization and comparison with hypoxia-inducible factor-1alpha.

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