Datasheet for ABIN534065

anti-HIF1A antibody (AA 329-530)

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Overview

Quantity:	100 µL
Target:	HIF1A
Binding Specificity:	AA 329-530
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HIF1A antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Mouse monoclonal antibody raised against partial recombinant HIF1A.
Immunogen:	Recombinant protein corresponding to amino acids 329-530 of human HIF1A.
Clone:	ESEE122
Isotype:	IgG1
Specificity:	This antibody is specific to HIF-1 alpha.
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat

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Target Details

Target:	HIF1A
Alternative Name:	HIF1A / HIF1 alpha (HIF1A Products)
Gene ID:	3091
Pathways:	Positive Regulation of Peptide Hormone Secretion, Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, Cellular Response to Molecule of Bacterial Origin, Carbohydrate Homeostasis, Transition Metal Ion Homeostasis, Tube Formation, Regulation of Carbohydrate Metabolic Process, Signaling Events mediated by VEGFR1 and VEGFR2, VEGFR1 Specific Signals, Warburg Effect

Application Details

Application Notes:	Immunocytochemistry (1:100-1:5000) Immunofluorescence (1:100-1:5000) Immunohistochemistry (Frozen sections) (1:100-1:5000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:100-1:5000) The optimal working dilution should
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In buffer containing 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Cecchi, Sestili, Prosperini, Cecchetto, Vicini, Viel, Muciaccia: "Markers of mechanical asphyxia: immunohistochemical study on autoptic lung tissues." in: **International journal of legal medicine**, Vol. 128, Issue 1, pp. 117-25, (2014) (PubMed).

Publications

Gomes, Rodrigues, Phadke, Butcher, Starling, Chen, Chang, Hernandez-Alcoceba, Newman, Stone, Tong: "Antitumor activity of an oncolytic adenoviral-CD40 ligand (CD154) transgene construct in human breast cancer cells." in: **Clinical cancer research : an official journal of the American Association for Cancer Research**, Vol. 15, Issue 4, pp. 1317-25, (2009) (PubMed).

Kubo, Sugita, Shimose, Matsuo, Arihiro, Ochi: "Expression of hypoxia-inducible factor-1alpha and its relationship to tumour angiogenesis and cell proliferation in cartilage tumours." in: **The Journal of bone and joint surgery. British volume**, Vol. 90, Issue 3, pp. 364-70, (2008) (PubMed).

Piovan, Tosello, Indraccolo, Masiero, Persano, Esposito, Zamarchi, Ponzoni, Chieco-Bianchi, Dalla-Favera, Amadori: "Differential regulation of hypoxia-induced CXCR4 triggering during B-cell development and lymphomagenesis." in: **Cancer research**, Vol. 67, Issue 18, pp. 8605-14, (2007) (PubMed).

Khan, Michalopoulos, Stolz: "Peroxisomal localization of hypoxia-inducible factors and hypoxia-inducible factor regulatory hydroxylases in primary rat hepatocytes exposed to hypoxia-reoxygenation." in: **The American journal of pathology**, Vol. 169, Issue 4, pp. 1251-69, (2006) (PubMed).

There are more publications referencing this product on: Product page

Images

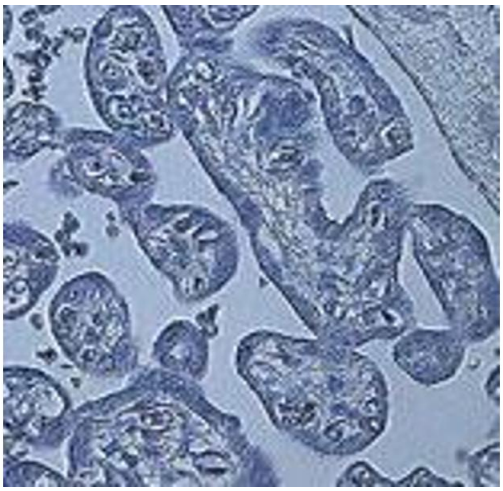
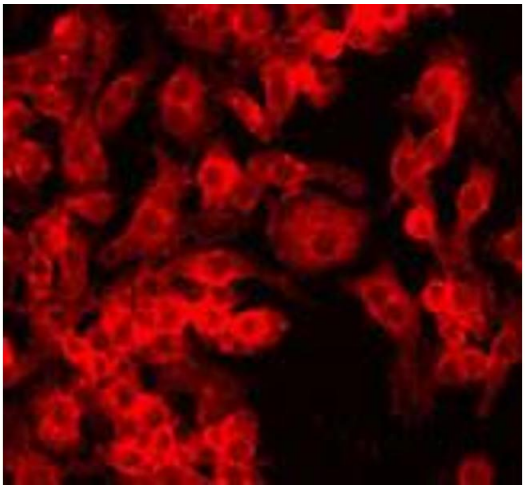


Image 1. Negative control stain of human placenta (from sea level) using mouse IgG at 1 : 100. 4uM paraffin-embedded section.



Immunofluorescence

Image 2. Staining of HIF1A (red dye 568) in a cultured Raw 264.7 cell line, using HIF1A monoclonal antibody, clone ESEE122 . Photos courtesy of Susan Alexander and Hattie Gresham, PhD.

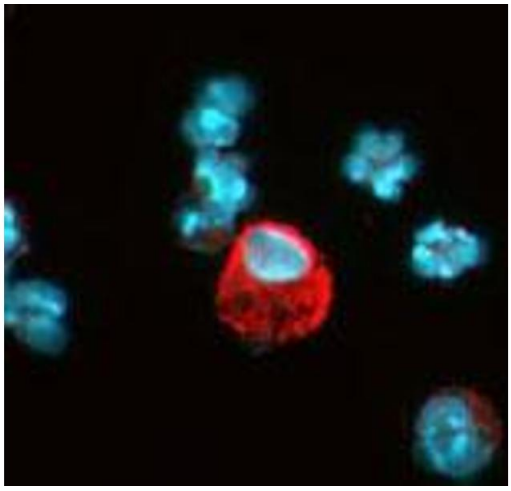


Image 3. Detection of HIF1A (red dye) in a cell cytospin from a lavage of a murine skin pouch infected with Staph Aureus, using HIF1A monoclonal antibody, clone ESEE122 .

Please check the product details page for more images. Overall 4 images are available for ABIN534065.

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