

Datasheet for ABIN1724413

anti-IL-8 antibody



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Overview

Quantity:	50 µL
Target:	IL-8 (IL8)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL-8 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein corresponding to full length IL8
Isotype:	IgG1
Specificity:	Reacts with human IL-8
Purification:	Purified

Target Details

Target:	IL-8 (IL8)
Alternative Name:	IL-8 (IL8 Products)
Background:	IL-8 is a chemotactic factor that attracts neutrophils, basophils, and T-cells, but not monocytes. It is also involved in neutrophil activation. It is released from several cell types in response to an inflammatory stimulus. IL-8(6-77) has a 5-10-fold higher activity on neutrophil activation, IL-8(5-77) has increased activity on neutrophil activation and IL-8(7-77) has a higher affinity to

Target Details

receptors CXCR1 and CXCR2 as compared to IL-8(1-77), respectively.

Gene ID: 3576

Pathways: [TLR Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [ER-Nucleus Signaling](#), [Hepatitis C](#), [Autophagy](#)

Application Details

Application Notes: Working dilution: Optimal dilution should be determined by the end user.

The following are guidelines only:

IHC-P (5 µg/mL) WB (1:1000)

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Citrate-Tris-HCl buffer, pH 7.0, 0.02 % Proclin 300

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

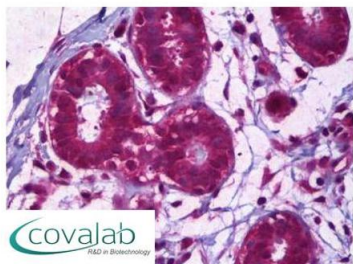
Storage Comment: Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Publications

Product cited in: Zuhlke, Johnson, Okoth, Stoffel, Robbins, Tembe, Salinas, Zheng, Xu, Carpten, Lange, Isaacs, Cooney: "Identification of a novel NBN truncating mutation in a family with hereditary prostate cancer." in: **Familial cancer**, Vol. 11, Issue 4, pp. 595-600, (2012) ([PubMed](#)).

Zheng, Zhang, Jiang, You, Liu, Lu, Zhou: "Functional NBS1 polymorphism is associated with occurrence and advanced disease status of nasopharyngeal carcinoma." in: **Molecular carcinogenesis**, Vol. 50, Issue 9, pp. 689-96, (2011) ([PubMed](#)).

IHC : IL-8
antibody
(mab71308)



Anti-IL-8 antibody IHC staining of human breast, epithelium. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody mab71308 concentration 5 ug/ml.

Image 1.



Successfully validated (Immunohistochemistry (IHC))

by [HIK Hannover](#)

Report Number: 100789

Date: May 31 2017

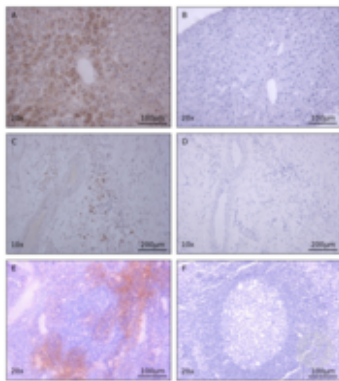
Target:	IL8
Method validated:	Immunohistochemistry (IHC)
Positive Control:	Formalin fixed and plastic embedded human liver, testicle, and tonsil tissue sections
Negative Control:	No primary antibody
Notes:	Passed. The IL8 antibody ABIN1724413 specifically labels the targeted antigen in human liver, testicle, and tonsil sections in IHC. No signal was detected in tonsil negative control tissue sections and the no primary antibody negative controls.
Primary Antibody:	ABIN1724413
Secondary Antibody:	Histofine Simple Stain MAX PO (M) Anti-Mouse (Medac Diagnostika, 414132F, lot no H1608)
Protocol:	<ul style="list-style-type: none"> Disect tissue and fix in 4% buffered formalin for >24h at RT. Plastification in Technovit 9100 plastic embedding system (Heraeus Kulzer) according to manufactuer's recommencations. Sectioning into 5µm sections on a rotary microtome (Reichert Jung, 1140/Autocut). Deplastify and rehydrate tissue through graded xylene and graded alcohol series: <ul style="list-style-type: none"> xylene for 20min. MEA (2-Methoxyethyl)acetat zur Synthese (Merck, 8.06061.1000) 2x 20min. 100% ethanol for 1min. 95% ethanol for 1min. 70% ethanol for 1min. H₂O for 2min. distilled H₂O 2min. Heat induced epitope retrieval in high pH Trilogy buffer (Medac Diagnostika, 920P-07, lot 1622912A) ON at 60°C in an oven (Memmert, UNB 200). Quench sections in in ice cold distilled H₂O 2min. Adjust sections with wash buffer (Medac Diagnostika, B1-30A, lot no 161102001) 5min at RT. Incubate sections with primary Interleukin 8 antibody (antibodies-online, ABIN1724413) diluted 1:400 in dilution buffer (Medac Diagnostika, B1-31C, lot no 161205001) for 30min at RT. Includeno primaryantibody negative controls. Rinse sections 3x 5min with wash buffer. Keep negative controls in a separate container. Block endogenous peroxidase with Peroxide Block RTU (Medac Diagnostika, 925B-09, lot no

161103001) for 10min at RT.

- Rinse sections 3x 5min with wash buffer.
- Incubate sections with Histofine Simple Stain MAX PO (M) Anti-Mouse (Medac Diagnostika, 414132F, lot no H1608) for 30min at RT.
- Rinse sections 3x 5min with wash buffer.
- Incubate sections with Bright DAB (Medac Diagnostika, BS04-110, lot no 160523) for 10min at RT.
- Rinse sections in distilled H₂O.
- Counterstain with Mayers Haematoxylin (Leica, 3801582E, lot no3801582E) 5min at RT.
- Dehydrate in fresh ethanol:
 - 95% ethanol twice for 2min.
 - 99.5% ethanol twice for 2min.
 - Xylene twice for 2min.
- Mount sections with Celltexx mounting medium (Engelbrecht, 19360, lot no 1716047).
- Dry sections in a ventilated place.
- Image acquisition on a Leica Microsystems DM 1000 light microscope with a DFC 320 digital camera. Magnification tonsil sections 40x, liver sections 10x and 20x, testicle sections 10x.

Experimental Notes: Immunostaining pattern of human liver, testicle, and tonsil with ABIN1724413 is consistent with published data.

Image for Validation report #100789



Validation image no. 1 for anti-Interleukin 8 (IL8) antibody (ABIN1724413)

Immunostaining of IL8 in human liver (A), testicle (C), and tonsil sections (E) using ABIN1724413 compared to unstained sections of the same tissues (B, D, F). Magnification factors and the respective scale are indicated.