Datasheet for ABIN1531722

anti-NCF1 antibody (pSer370)

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Overview

Quantity:	100 µL
Target:	NCF1
Binding Specificity:	AA 341-390, pSer370
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NCF1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human p47 phox around the phosphorylation site of Ser370.
Isotype:	IgG
Specificity:	p47 phox (Phospho-Ser370) Antibody detects endogenous levels of p47 phox only when phosphorylated at Ser370. PhosphorylationH:S370 M:S370 R:S369
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

Target:	NCF1
Alternative Name:	p47 phox (NCF1 Products)
Background:	Synonyms: 47 kDa autosomal chronic granulomatous disease protein, 47 kDa neutrophil oxidase factor, NCF-1, NCF-47K, NCF1, Neutrophil cytosol factor 1, Neutrophil cytosolic factor 1, Neutrophil NADPH oxidase factor 1, P47 phox, p47-phox NCBI Gene Symbol: NCF1
Molecular Weight:	44 kDa
Gene ID:	653361
OMIM:	233700
UniProt:	P14598
Pathways:	PI3K-Akt Signaling

Application Details

Application Notes:	IHC: 1:50~1:100 ELISA: 1:5000
Comment:	Unigene-Number: Hs.647047, Hs.655201 (NCBI Gene Symbol: NCF1)
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months

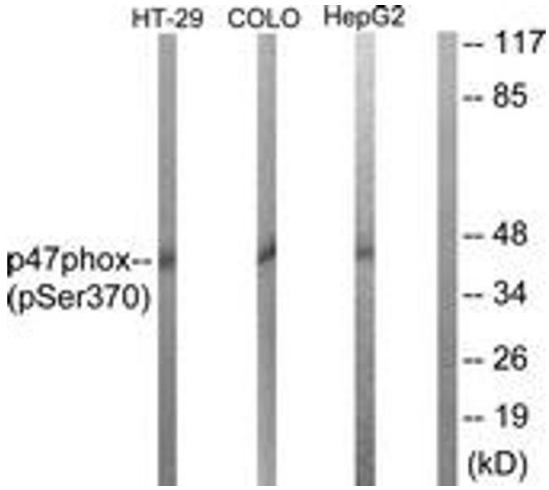
Publications

Product cited in:

Lee, Lee, Park, Jang, Kim, Kim: "Anti-Inflammatory and Antioxidant Mechanism of Tangeretin in Activated Microglia." in: **Journal of neuroimmune pharmacology : the official journal of the Society on NeuroImmune Pharmacology**, (2016) (PubMed).

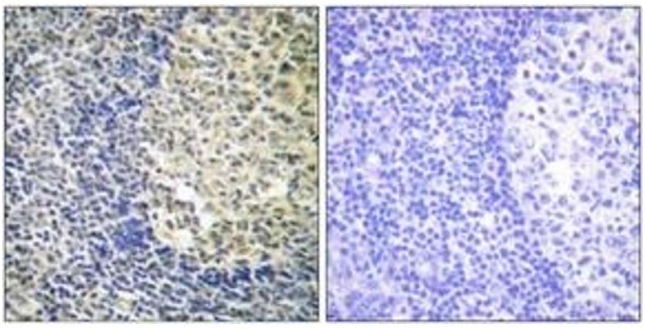
Lee, Ko, Jeong, Park, Kim: "β-Lapachone suppresses neuroinflammation by modulating the expression of cytokines and matrix metalloproteinases in activated microglia." in: **Journal of neuroinflammation**, Vol. 12, pp. 133, (2015) (PubMed).

Images



Western Blotting

Image 1.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis of paraffin-embedded human tonsil, using p47 phox (Phospho-Ser370) Antibody. The picture on the right is treated with the synthesized peptide.