

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com **OriGene Technologies GmbH** 

Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info-de@origene.com

## AP55759PU-S Polyclonal Antibody to IRAK1 pSer376 - Aff - Purified

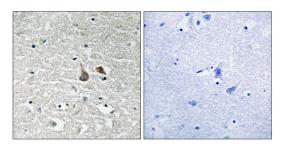
Alternate names:	IRAK, IRAK-1, Interleukin-1 receptor-associated kinase 1
Quantity:	50 µg
Concentration:	1.0 mg/ml
Background:	IRAK1 encodes the interleukin-1 receptor-associated kinase 1, one of two putative serine/threonine kinases that become associated with the interleukin-1 receptor (IL1R) upon stimulation. IRAK1 is partially responsible for IL1-induced upregulation of the transcription factor NF-kappa B.
Uniprot ID:	<u>P51617</u>
NCBI:	<u>NP_001020413.1</u>
GenelD:	<u>3654</u>
Host:	Rabbit
Immunogen:	Peptide sequence around phosphorylation site of Serine 376(Q-S-S(p)-M-V) derived from Human IRAK1 (KLH-conjugated)
Format:	<b>State:</b> Liquid Ig fraction <b>Purification:</b> Affinity chromatography using epitope-specific peptide <b>Buffer System:</b> Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Applications:	<b>Immunohistochemistry on paraffin sections:</b> 1:50~1:100 . Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	76 kDa
Specificity:	The antibody detects endogenous levels of IRAK1 only when phosphorylated at serine 376.
Species Reactivity:	Tested: Human
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	<ol> <li>Cao Z, Henzel WJ, Gao X. IRAK: a kinase associated with the interleukin-1 receptor. Science. 1996 Feb 23;271(5252):1128-31. PubMed PMID: 8599092.</li> <li>Reichwald K, Thiesen J, Wiehe T, Weitzel J, Poustka WA, Rosenthal A, et al. Comparative sequence analysis of the MECP2-locus in human and mouse reveals new transcribed regions. Mamm Genome. 2000 Mar;11(3):182-90. PubMed PMID: 10723722.</li> <li>Jensen LE, Whitehead AS. IRAK1b, a novel alternative splice variant of interleukin-1 receptor-associated kinase (IRAK), mediates interleukin-1 signaling and has prolonged stability. J Biol Chem. 2001 Aug 3;276(31):29037-44. Epub 2001 Jun 7. PubMed PMID: 11397809.</li> </ol>

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

## **ORIGENE** AP55759PU-S: Polyclonal Antibody to IRAK1 pSer376 - Aff - Purified

**Pictures:** 

Immunohistochemical analysis of paraffin-embedded human brain tissue using IRAK1 (Phospho-Ser376) antibody AP55759PU-N (left)or the same antibody preincubated with blocking peptide (right).



For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.