

Rabbit JDP2 Polyclonal Antibody | anti-JDP2 antibody

Phospho-JDP2 (Thr148) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329812	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (89%)	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

JDP2; Polyclonal Antibody; Phospho-JDP2 (Thr148) Antibody; Jdp2; JDP2_HUMAN; Jun dimerization protein 2; JUNDM2; Progesterone receptor co-activator; anti-JDP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (89%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-JDP2 (Thr148) Antibody detects endogenous levels of JDP2 only when phosphorylated at Thr148.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-JDP2 antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human JDP2 around the phosphorylation site of Thr148.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylation of Thr-148 by MAPK8 in response to different stress conditions such as, UV irradiation, oxidative stress and anisomycin treatments. Polyubiquitinated; probably by IRF2BP1.
Subunit Structure	Forms a homodimer or heterodimer with JUN, JUNB, JUND, CEBPG and ATF2 thereby inhibiting transactivation by JUN, ATF2 and CEBPG (By similarity). Binds multiple DNA elements such as cAMP-response element (CRE) and TPA response element (TRE) either as homodimer or heterodimer (By similarity). Interacts with IRF2BP1.
Similarity	Belongs to the bZIP family. ATF subfamily.
Subcellular Location	Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



Application Data

At 25 degree C. Samples were then incubated with primary Ab(At 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

At 1/100 staining Human gastric cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



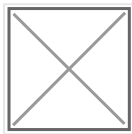
IHC (Immunohistochemisry)

At 1/100 staining Human ovarian cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of JDP-2 (Phospho-Thr148) using UV treated A549 whole cell lysates. -/+ means absence or presence of N peptide(1/4 non-phospho peptide) and P peptide(phospho peptide).



WB (Western Blot)

Western blot analysis of extracts from C6 cells LPS, using Phospho-JDP-2 (Thr148) Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-JDP2 antibody

Component of the AP-1 transcription factor that represses transactivation mediated by the Jun family of proteins. Involved in a variety of transcriptional responses associated with AP-1 such as UV-induced apoptosis, cell differentiation, tumorigenesis and antitumogeneris. Can also function as a repressor by recruiting histone deacetylase 3/HDAC3 to the promoter region of JUN. May control transcription via direct regulation of the modification of histones and the assembly of chromatin.

NCBI AND UNIPROT INFORMATION

NCBI GI #	205277417
NCBI GeneID	122953
NCBI Accession #	NP_001128519.1
NCBI GenBank Nucleotide #	NM_001135047.1
UniProt Accession #	Q8WYK2; O95430; Q9UIE4
Molecular Weight	18,704 Da
NCBI Official Full Name	jun dimerization protein 2 isoform a
NCBI Official Synonym Full Names	Jun dimerization protein 2
NCBI Official Symbol	JDP2
NCBI Official Synonym Symbols	JUNDM2
NCBI Protein Information	jun dimerization protein 2; progesterone receptor co-activator
UniProt Protein Name	Jun dimerization protein 2
UniProt Gene Name	JDP2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/jdp2-antibody-peptide-elisa-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/329812>