Rabbit Doublecortin Polyclonal Antibody | anti-Doublecortin antibody

Doublecortin Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282261	**Rabbit**	**Human, Mouse, Rat**	**Immunocytochemistry, Immunofluorescence, Western Blot**

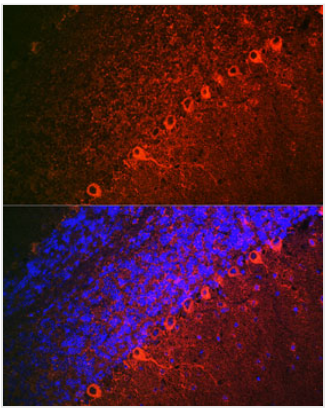
PRODUCT SYNONYMS

Doublecortin; Polyclonal Antibody; Doublecortin Rabbit pAb; DBCN; DC; LISX; SCLH; XLIS; DCX; anti-Doublecortin antibody

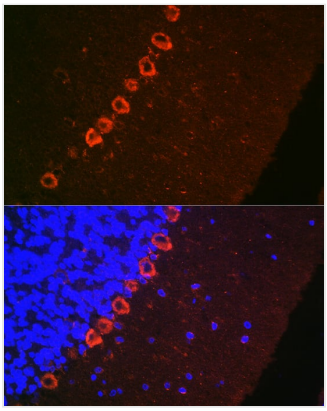
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	MELGSCLEGG REAAEEEGEP EVKKRRLLCV EFASVASCDA AVAQCFLAEN DWEMERALNS YFEPPVEESA LERRPETISE PKTYVDLTNE ETTDSTTSKI SPSEDTQQEN GSMFSLITWN IDGLDLNNLS ERARGVCSYL ALYSPDVIFL QEVIPPYYSY LKKRSSNYEI ITGHEEGYFT AIMLKKSRVK LKSQEIIPFP
Applicable Applications for anti-Doublecortin antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Positive Samples	SH-SY5Y, Jurkat (negative)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 265-365 of human Doublecortin (NP_835365.1).
Cellular Location	Cell projection, Cytoplasm
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

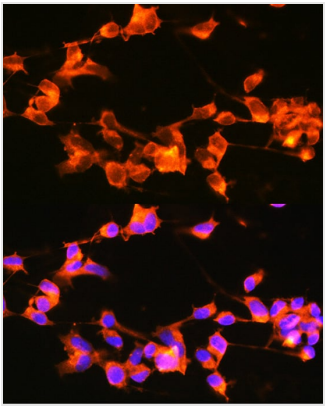
IMAGES



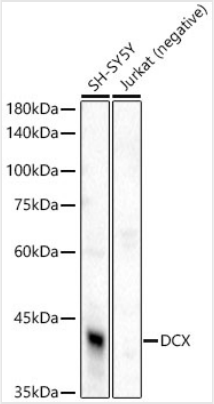
IF (Immunofluorescence)
Immunofluorescence analysis of mouse brain using Doublecortin Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)
Immunofluorescence analysis of rat brain using Doublecortin Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)
Immunofluorescence analysis of SH-SY5Y cells using Doublecortin Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using Doublecortin antibody at 1:440 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-Doublecortin antibody	This gene encodes a member of the doublecortin family. The protein encoded by this gene is a cytoplasmic protein and contains two doublecortin domains, which bind microtubules. In the developing cortex, cortical neurons must migrate over long distances to reach the site of their final differentiation. The encoded protein appears to direct neuronal migration by regulating the organization and stability of microtubules. In addition, the encoded protein interacts with LIS1, the regulatory gamma subunit of platelet activating factor acetylhydrolase, and this interaction is important to proper microtubule function in the developing cortex. Mutations in this gene cause abnormal migration of neurons during development and disrupt the layering of the cortex, leading to epilepsy, mental retardation, subcortical band heterotopia ("double cortex" syndrome) in females and lissencephaly ("smooth brain" syndrome) in males. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2010]
Product Categories/Family for anti-Doublecortin antibody	Cell Biology & Developmental Biology; Cell Cycle; Centrosome; Cell Adhesion; Microtubules; Neuroscience; Cell Type Marker; Neuron marker; Growth Cone; Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	67462008
NCBI GeneID	51567
UniProt Accession #	O95551; Q2TBE2; Q5JYM0; Q7Z6U5; Q9NUK5; Q9NYY9; B4DKL8; B4DQ95
Molecular Weight	362
NCBI Official Full Name	Tyrosyl-DNA phosphodiesterase 2
NCBI Official Synonym Full Names	tyrosyl-DNA phosphodiesterase 2
NCBI Official Symbol	TDP2
NCBI Official Synonym Symbols	EAP2; AD022; EAPII; TTRAP; hTDP2; dJ30M3.3
NCBI Protein Information	tyrosyl-DNA phosphodiesterase 2; VPg unlinkase; ETS1-associated protein 2; ETS1-associated protein II; tyr-DNA phosphodiesterase 2; 5'-Tyr-DNA phosphodiesterase; tyrosyl-RNA phosphodiesterase; 5'-tyrosyl-DNA phosphodiesterase; TRAF and TNF receptor associ
UniProt Protein Name	Tyrosyl-DNA phosphodiesterase 2
UniProt Gene Name	**TDP2**
UniProt Synonym Gene Names	EAP2; TTRAP; Tyr-DNA phosphodiesterase 2; hTDP2; 5'-Tyr-DNA phosphodiesterase; EAPII
UniProt Entry Name	TYDP2_HUMAN

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://www.aaabiotech.com/polyclonal/doublecortin-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282261