

MED29 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57240

Specification

MED29 Polyclonal Antibody - Product Information

| | |
|----------------------|---|
| Application | IHC-P, IHC-F, IF, ICC, E |
| Primary Accession | Q9NX70 |
| Reactivity | Rat, Pig, Dog, Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 21 KDa |
| Physical State | Liquid |
| Immunogen | KLH conjugated synthetic peptide derived from human MED29 |
| Epitope Specificity | 51-150/200 |
| Isotype | IgG |
| Purity | affinity purified by Protein A |
| Buffer | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| SUBCELLULAR LOCATION | Nucleus |
| SIMILARITY | Belongs to the Mediator complex subunit 29 family. |
| SUBUNIT | Component of the Mediator complex, which is composed of MED1, MED4, MED6, MED7, MED8, MED9, MED10, MED11, MED12, MED13, MED13L, MED14, MED15, MED16, MED17, MED18, MED19, MED20, MED21, MED22, MED23, MED24, MED25, MED26, MED27, MED29, MED30, MED31, CCNC, CDK8 and CDC2L6/CDK11. The MED12, MED13, CCNC and CDK8 subunits form a distinct module termed the CDK8 module. Mediator containing the CDK8 module is less active than Mediator lacking this module in supporting transcriptional activation. Individual preparations of the Mediator complex lacking one or more distinct subunits have been variously termed ARC, CRSP, DRIP, PC2, SMCC and TRAP. Associates with the MED18/MED20 heteromer. |
| Important Note | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

Background Descriptions

MED29 is a subunit of the Mediator complex, a multiprotein coactivator of RNA transcription that interacts with DNA-bound transcriptional activators, RNA polymerase II (see MIM 180660), and general initiation factors (Sato et al., 2003 [PubMed 14576168]).[supplied by OMIM, Aug 2009]

MED29 Polyclonal Antibody - Additional Information

Gene ID 55588

Other Names

Mediator of RNA polymerase II transcription subunit 29, Intersex-like protein, Mediator complex subunit 29, MED29, IXL

Target/Specificity

Widely expressed in embryo and adult.

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

MED29 Polyclonal Antibody - Protein Information

Name MED29

Synonyms IXL

Function

Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene- specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors.

Cellular Location

Nucleus.

Tissue Location

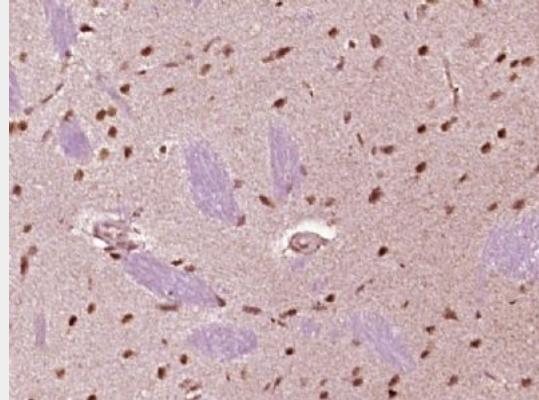
Widely expressed in embryo and adult.

MED29 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

MED29 Polyclonal Antibody - Images

Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MED29) Polyclonal Antibody, Unconjugated (bs-18768R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.