

PAGR1 / C16orf53 Antibody (C-Terminus)

Rabbit Polyclonal Antibody Catalog # ALS13779

Specification

PAGR1 / C16orf53 Antibody (C-Terminus) - Product Information

Application WB, IHC Primary Accession Q9BTK6

Reactivity Human, Mouse Host Rabbit

Host Rabbit
Clonality Polyclonal
Calculated MW 28kDa KDa

PAGR1 / C16orf53 Antibody (C-Terminus) - Additional Information

Gene ID 79447

Other Names

PAXIP1-associated glutamate-rich protein 1, PAXIP1-associated protein 1, PTIP-associated protein 1, PAGR1, C16orf53, PA1

Target/Specificity

Human C16orf53

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

PAGR1 / C16orf53 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

PAGR1 / C16orf53 Antibody (C-Terminus) - Protein Information

Name PAGR1

Synonyms C16orf53, PA1

Function

Its association with the histone methyltransferase MLL2/MLL3 complex is suggesting a role in epigenetic transcriptional activation. However, in association with PAXIP1/PTIP is proposed to function at least in part independently of the MLL2/MLL3 complex. Proposed to be recruited by PAXIP1 to sites of DNA damage where the PAGR1:PAXIP1 complex is required for cell survival in response to DNA damage independently of the MLL2/MLL3 complex (PubMed:19124460). However, its function in DNA damage has been questioned (By similarity). During immunoglobulin class switching in activated B-cells is involved in transcription regulation of downstream switch regions at the immunoglobulin heavy-chain (Igh) locus independently of the MLL2/MLL3 complex (By similarity). Involved in both estrogen receptor-regulated gene transcription and





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estrogen-stimulated G1/S cell-cycle transition (PubMed:19039327). Acts as a transcriptional cofactor for nuclear hormone receptors. Inhibits the induction properties of several steroid receptors such as NR3C1, AR and PPARG; the mechanism of inhibition appears to be gene-dependent (PubMed:23161582).

Cellular Location Nucleus.

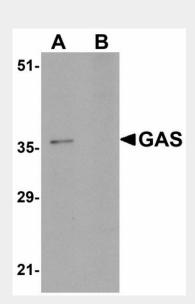
Tissue Location Ubiquitously expressed.

PAGR1 / C16orf53 Antibody (C-Terminus) - Protocols

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

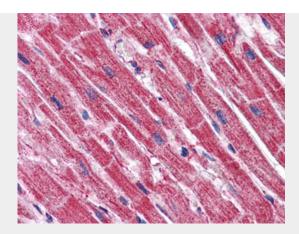
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

PAGR1 / C16orf53 Antibody (C-Terminus) - Images



Western blot of GAS in EL4 cell lysate in (A) the absence and (B) the presence of blocking...





Anti-C16orf53 antibody IHC of human heart.

PAGR1 / C16orf53 Antibody (C-Terminus) - References

Martin J.,et al.Nature 432:988-994(2004). Cho Y.-W.,et al.J. Biol. Chem. 282:20395-20406(2007). Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. Tang L.-Y.,et al.Mol. Cell. Proteomics 6:1952-1967(2007). Cantin G.T.,et al.J. Proteome Res. 7:1346-1351(2008).