

**PAGR1 / C16orf53 Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS13779****Specification**

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

Application	WB, IHC
Primary Accession	<a href="#">Q9BTK6</a>
Reactivity	Human, Mouse
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:<a href="http://www.uniprot.org/citations/19124460" target="\_blank">19124460</a>). 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

estrogen-stimulated G1/S cell-cycle transition (PubMed:<a href="http://www.uniprot.org/citations/19039327" target="\_blank">19039327</a>). Acts as a transcriptional cofactor for nuclear hormone receptors. Inhibits the induction properties of several steroid receptors such as NR3C1, AR and PPAR $\gamma$ ; the mechanism of inhibition appears to be gene-dependent (PubMed:<a href="http://www.uniprot.org/citations/23161582" target="\_blank">23161582</a>).

**Cellular Location**

Nucleus.

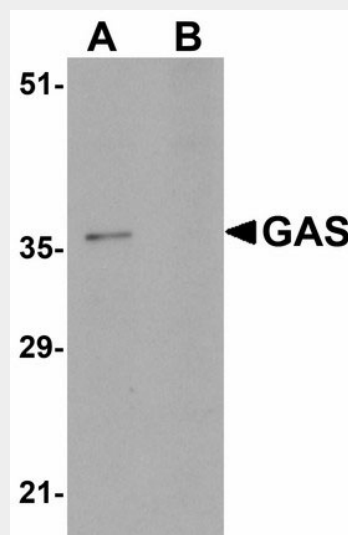
**Tissue Location**

Ubiquitously expressed.

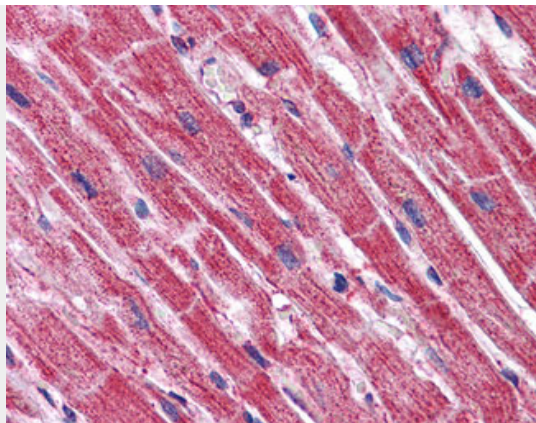
**PAGR1 / C16orf53 Antibody (C-Terminus) - Protocols**

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

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