

BRD3 Polyclonal Antibody
Catalog # AP68705**Specification****BRD3 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IF
Primary Accession	Q15059
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

BRD3 Polyclonal Antibody - Additional Information**Gene ID** 8019**Other Names**

BRD3; KIAA0043; RING3L; Bromodomain-containing protein 3; RING3-like protein

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

IHC-P~~N/A

IF~~1:50~200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

BRD3 Polyclonal Antibody - Protein Information**Name** BRD3 {ECO:0000303|PubMed:18406326, ECO:0000312|HGNC:HGNC:1104}**Function**

Chromatin reader that recognizes and binds acetylated histones, thereby controlling gene expression and remodeling chromatin structures (PubMed:18406326, PubMed:22464331, PubMed:27105114, PubMed:32895492). Recruits

transcription factors and coactivators to target gene sites, and activates RNA polymerase II machinery for transcriptional elongation (PubMed:29567837, PubMed:32895492). In vitro,

binds acetylated lysine residues on the N-terminus of histone H2A, H2B, H3 and H4 (PubMed:18406326). Involved in

endoderm differentiation via its association with long non-coding RNA (lncRNA) DIGIT: BRD3

undergoes liquid-liquid phase separation upon binding to lncRNA DIGIT, promoting binding to histone H3 acetylated at 'Lys-18' (H3K18ac) to induce endoderm gene expression (PubMed:32895492). Also binds non-histones acetylated proteins, such as GATA1 and GATA2: regulates transcription by promoting the binding of the transcription factor GATA1 to its targets (By similarity).

Cellular Location

Nucleus. Chromosome. Note=Detected on chromatin

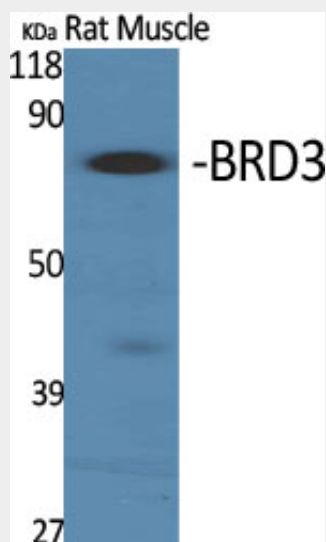
Tissue Location

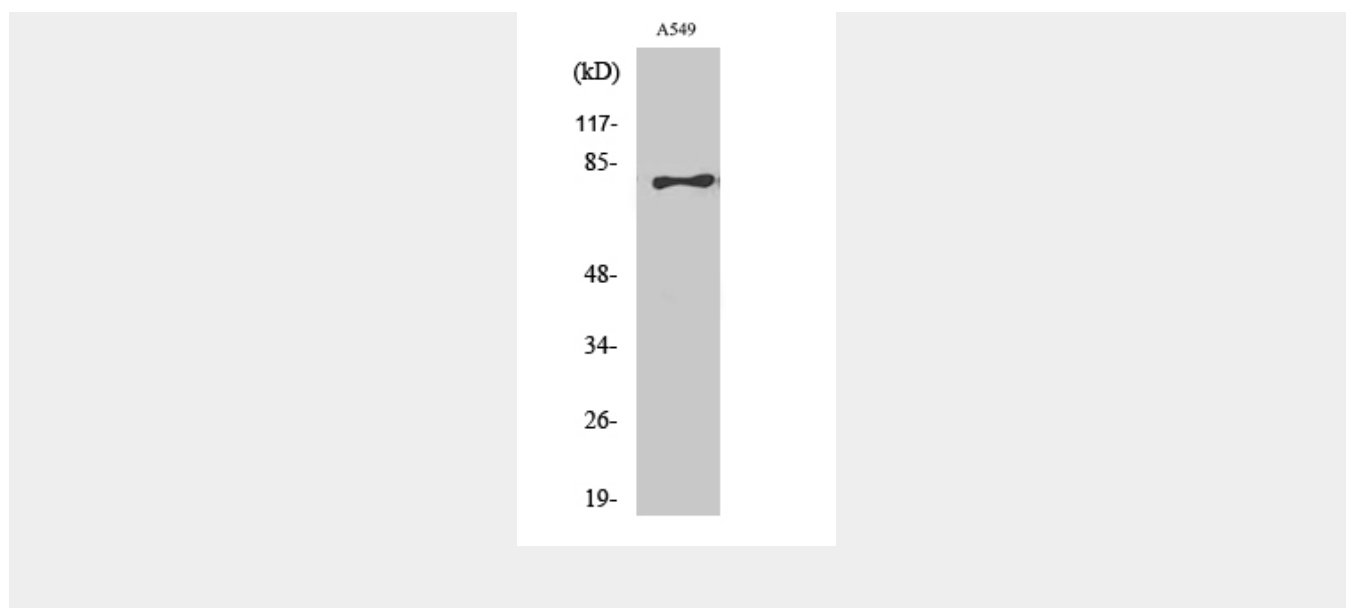
Ubiquitous..

BRD3 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](#)

BRD3 Polyclonal Antibody - Images



BRD3 Polyclonal Antibody - Background

Chromatin reader that recognizes and binds hyperacetylated chromatin and plays a role in the regulation of transcription, probably by chromatin remodeling and interaction with transcription factors (PubMed:18406326, PubMed:27105114). Regulates transcription by promoting the binding of the transcription factor GATA1 to its targets (By similarity).