

## ARG58552 anti-DR1 antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes DR1
Tested Reactivity	Ms
Predict Reactivity	Hu, Rat, Cow, Dog, Gpig, Hrs, Pig, Rb, Zfsh
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DR1
Species	Human
Immunogen	Synthetic peptide of Human DR1. (within the following sequence: KKTISPEHVIQALESLGFGSYISEVKEVLQECKTVALKRRKASSRLENLG)
Conjugation	Un-conjugated
Alternate Names	Dr1l; NC2; TATA-binding protein-associated phosphoprotein; Protein Dr1; NC2-beta; 1700121L09Rik; NC2beta; Down-regulator of transcription 1; Negative cofactor 2-beta; NC2B; NCB2

### Application Instructions

Predict Reactivity Note	Predicted homology based on immunogen sequence: Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%				
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1 µg/ml</td></tr> </table>	Application	Dilution	WB	1 µg/ml
Application	Dilution				
WB	1 µg/ml				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	Mouse kidney				

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

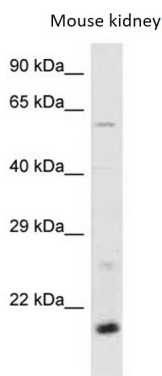
#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	DR1
Gene Full Name	down-regulator of transcription 1
Background	This gene encodes a TBP- (TATA box-binding protein) associated phosphoprotein that represses both basal and activated levels of transcription. The encoded protein is phosphorylated in vivo and this phosphorylation affects its interaction with TBP. This protein contains a histone fold motif at the amino terminus, a TBP-binding domain, and a glutamine- and alanine-rich region. The binding of DR1 repressor complexes to TBP-promoter complexes may establish a mechanism in which an altered DNA conformation, together with the formation of higher order complexes, inhibits the assembly of the preinitiation complex and controls the rate of RNA polymerase II transcription. [provided by RefSeq, Jul 2008]
Function	The association of the DR1/DRAP1 heterodimer with TBP results in a functional repression of both activated and basal transcription of class II genes. This interaction precludes the formation of a transcription-competent complex by inhibiting the association of TFIIA and/or TFIIB with TBP. Can bind to DNA on its own. Component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4. [UniProt]
Calculated Mw	19 kDa
Cellular Localization	Nucleus. [UniProt]

## Images



ARG58552 anti-DR1 antibody WB image

Western blot: Mouse kidney lysate stained with ARG58552 anti-DR1 antibody at 1 µg/ml dilution.