

# Product Data Sheet

## Anti-CARD4 Antibody

Catalog #	Source	Reactivity	Applications
CQA1045	Rabbit	H, M	WB, IH
<b>Description</b>	Rabbit polyclonal antibody to CARD4		
<b>Immunogen</b>	Recombinant full length protein of human CARD4		
<b>Purification</b>	The antibody was purified by immunogen affinity chromatography.		
<b>Specificity</b>	Recognizes endogenous levels of CARD4 protein.		
<b>Clonality</b>	Polyclonal		
<b>Conjugation</b>			
<b>Form</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
<b>Dilution</b>	WB (1/500 - 1/2000), IH (1/50 - 1/200)		
<b>Gene Symbol</b>	NOD1		
<b>Alternative Names</b>	CARD4; Nucleotide-binding oligomerization domain-containing protein 1; Caspase recruitment domain-containing protein 4		
<b>Entrez Gene</b>	10392 (Human); 107607 (Mouse)		
<b>SwissProt</b>	Q9Y239 (Human); Q8BHB0 (Mouse)		
<b>Storage/Stability</b>	Shipped at 4° C. Upon delivery aliquot and store at -20° C for one year. Avoid freeze/thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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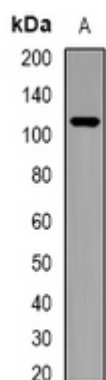
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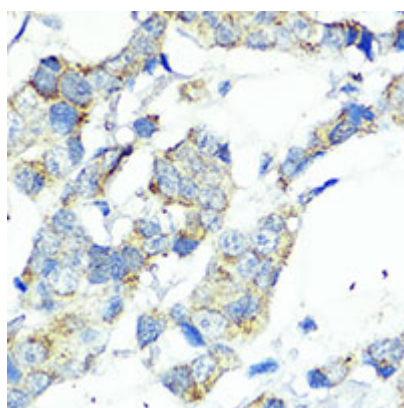
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Western blot analysis of CARD4 expression in mouse lung (A) whole cell lysates. (Predicted band size: 27; 107 kD; Observed band size: 108 kD)



Immunohistochemical analysis of CARD4 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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