

# Scribble Antibody



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<b>Applications:</b> W, IP	<b>Reactivity:</b> H Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 240	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #Q14160-1	<b>Entrez-Gene Id:</b> 23513
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## Product Usage Information

### Application

Western Blotting  
Immunoprecipitation

### Dilution

1:1000  
1:50

## Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

## Specificity/Sensitivity

Scribble Antibody detects endogenous levels of total scribble protein.

## Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to amino acid residues surrounding Gly1237 of human scribble protein. Antibodies are purified by protein A and peptide affinity chromatography

## Background

Scribble (Scrib) was originally identified in a genetic screen in *Drosophila* along with cell polarity determinants Discs Large (Dlg) and Lethal giant larvae (Lgl). *Drosophila* mutants homozygous for these genes share similar phenotypes, including the loss of apicobasal cell polarity and neoplastic tissue overgrowth. These phenotypic similarities suggest that these three proteins function in a common pathway important for establishing and maintaining apicobasal polarity in epithelial cells (1,2). Scribble contains many leucine-rich repeats and PDZ domains important for localizing scribble to adherens junctions and basolateral regions of mammalian epithelial cells (3). Scribble reportedly binds β-catenin, APC, E-cadherin and the E6 protein from high-risk virus type of HPV through a short motif important for E6-induced cell transformation (4-8). Overexpression of scribble inhibits transformation of rodent epithelial cells by HPV E6/7 proteins (8).

## Background References

1. Bilder, D. and Perrimon, N. (2000) *Nature* 403, 676-80.
2. Bilder, D. et al. (2000) *Science* 289, 113-6.
3. Humbert, P.O. et al. (2008) *Oncogene* 27, 6888-907.
4. Sun, Y. et al. (2009) *Mol Biol Cell* 20, 3390-400.
5. Qin, Y. et al. (2005) *J Cell Biol* 171, 1061-71.
6. Navarro, C. et al. (2005) *Oncogene* 24, 4330-9.
7. Takizawa, S. et al. (2006) *Genes Cells* 11, 453-64.
8. Nguyen, M.L. et al. (2003) *J Virol* 77, 6957-64.

## Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

## Western Blot Buffer

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

## Applications Key

**W:** Western Blotting **IP:** Immunoprecipitation

## Cross-Reactivity Key

**H:** Human **Mk:** Monkey

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