

**RABBIT ANTI-NOTCH 1  
POLYCLONAL ANTIBODY**

<b>CATALOG NUMBER:</b>	AB5707
<b>LOT NUMBER:</b>	xxxxxx
<b>QUANTITY:</b>	200 $\mu$ L
<b>SPECIFICITY:</b>	Notch 1, intracellular. No reactivity against human Notch 2.
<b>BACKGROUND:</b>	Notch is synthesized in the endoplasmic reticulum as an inactive form which is proteolytically cleaved by a furin-like convertase (S1 cleavage) in the trans-golgi network before it reaches the plasma membrane to yield an active, ligand-accessible form. Cleavage results in a C-terminal fragment N(TN) and a N-terminal fragment N(EC). Following ligand binding, it is cleaved (S2 cleavage) by TNF-alpha converting enzyme (TACE) to yield a membrane-associated intermediate fragment called Notch extracellular truncation (NEXT). This fragment is then cleaved by presenilin-dependent gamma-secretase (S3 cleavage) to release the intracellular domain (NICD) from the membrane.
<b>IMMUNOGEN:</b>	Synthetic peptide from human Notch 1.
<b>APPLICATIONS:</b>	Western blot: 1:200 – 1:10,000 Immunohistochemistry: 1:1,000-1:5,000. ELISA: 1:20,000-1:100,000 in a standard sandwich ELISA assay against the peptide immunogen. Optimal working dilutions must be determined by the end user.
<b>SPECIES REACTIVITY:</b>	Human. No reactivity observed to mouse Notch. Reactivity with other species has not been determined.
<b>FORMAT:</b>	Rabbit serum.
<b>PRESENTATION:</b>	Liquid in 0.02M Potassium phosphate, 0.15M NaCl with 0.01% sodium azide.
<b>STORAGE/HANDLING:</b>	Maintain at -20°C in undiluted aliquots for up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles.

**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200  $\mu$ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

*For research use only; not for use as a diagnostic.*

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