

**AP11160PU-N****Polyclonal Antibody to Tyrosine-protein kinase JAK2 (C-term) - Purified**

<b>Alternate names:</b>	JAK-2, Janus kinase 2
<b>Quantity:</b>	0.4 ml
<b>Concentration:</b>	lot specific
<b>Background:</b>	This gene product is a protein tyrosine kinase involved in a specific subset of cytokine receptor signaling pathways. It has been found to be constitutively associated with the prolactin receptor and is required for responses to gamma interferon. Mice that do not express an active protein for this gene exhibit embryonic lethality associated with the absence of definitive erythropoiesis.
<b>Uniprot ID:</b>	<a href="#">O60674</a>
<b>NCBI:</b>	<a href="#">9606</a>
<b>GeneID:</b>	<a href="#">3717</a>
<b>Host / Isotype:</b>	Rabbit / Ig
<b>Immunogen:</b>	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human JAK2.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Purification:</b> Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS. <b>Buffer System:</b> PBS containing 0.09% (W/V) Sodium Azide as preservative.
<b>Applications:</b>	ELISA: 1/1,000. Western Blot: 1/100-1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody is specific to JAK2 (C-term). <b>Species:</b> Human and Mouse. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>Caution:</b>	This product is for research use only. Not for use in diagnostic or therapeutic procedures.
<b>General Readings:</b>	1. Kanda, Naoko, et al. Endocrinology 2007 May 01;148(5):2317-2325. (Applications: WB) 2. Joos, S., et al., Int. J. Cancer 103(4):489-495 (2003). 3. Leung, K.C., et al., Proc. Natl. Acad. Sci. U.S.A. 100(3):1016-1021 (2003). 4. Saharinen, P., et al., J. Biol. Chem. 277(49):47954-47963 (2002). 5. Giordanetto, F., et al., Protein Eng. 15(9):727-737 (2002).

6. Deo, D.D., et al., J. Biol. Chem. 277(24):21237-21245 (2002).

**Pictures:**

Western blot analysis of anti-JAK2 Pab (Cat. #AP11160PU-N) to detect JAK2 in mouse thymus tissue lysate.

