**Basic Information**

- **Catalog Number:** 13797-1-AP
- **Size:** 38 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG4624
- **GenBank Accession Number:** BC039733
- **GeneID (NCBI):** 5806
- **Full Name:** pentraxin-related gene, rapidly induced by IL-1 beta
- **Calculated MW:** 381aa, 42 kDa
- **Observed MW:** 42 kDa

**Recommended Dilutions:**
- **WB:** 1:500-1:2000
- **IF:** 1:10-1:100

**Applications**

- **Tested Applications:** IF, WB, ELISA
- **Cited Applications:** IF, WB
- **Species Specificity:** human, mouse, rat
- **Cited Species:** human, mouse
- **Note:** suggested antigen retrieval with TE buffer pH 9.0; alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

**Positive Controls:**
- **WB:** HepG2 cells, Jurkat cells, HeLa cells
- **IF:** HepG2 cells

**Background Information**

PTX3, also named as TNFAIP5 and TSG14, is an acute phase glycoprotein that plays a role in the regulation of innate resistance to pathogens, inflammatory reactions, possibly clearance of self-components and female fertility. In WB, there are 2 major bands, an upper signal at 80-86 kDa and a lower signal at 42 kDa, representing PTX3 dimers and monomers, respectively (J. Immunol. 2013).

**Notable Publications**

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<tr>
<td>Bulbul Ahmed</td>
<td>30483742</td>
<td>Int J Oncol</td>
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<td>Yusuke Murasawa</td>
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<tr>
<td>Sun-Xia Chen</td>
<td>25118038</td>
<td>J Proteomics</td>
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**Storage**

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:**PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage**
Selected Validation Data

**WB result of Pentraxin 3 antibody (13797-1-AP; 1:600) incubated at room temperature for 1.5 hours** with sh-Control and sh-Pentraxin 3 transfected HeLa cells.

**HepG2 cells were subjected to SDS PAGE followed by western blot with 13797-1-AP (Pentraxin 3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.**

**Immunofluorescent analysis of HepG2 cells using 13797-1-AP (Pentraxin 3 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).**