

## Product datasheet for **TA308735**

### TYK2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human (Predicted: Mouse, Pig, Bovine)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 680 and 1187 of TYK2 (Uniprot ID#P29597)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	134 kDa
Gene Name:	tyrosine kinase 2
Database Link:	<a href="#">NP_003322</a> <a href="#">Entrez Gene 54721 Mouse</a> <a href="#">Entrez Gene 7297 Human</a> <a href="#">P29597</a>
Background:	This gene encodes a member of the tyrosine kinase and, more specifically, the Janus kinases (JAKs) protein families. This protein associates with the cytoplasmic domain of type I and type II cytokine receptors and promulgate cytokine signals by phosphorylating receptor subunits. It is also component of both the type I and type III interferon signaling pathways. As such, it may play a role in anti-viral immunity. A mutation in this gene has been associated with hyperimmunoglobulin E syndrome (HIES) - a primary immunodeficiency characterized by elevated serum immunoglobulin E. [provided by RefSeq]
Synonyms:	IMD35; JTK1



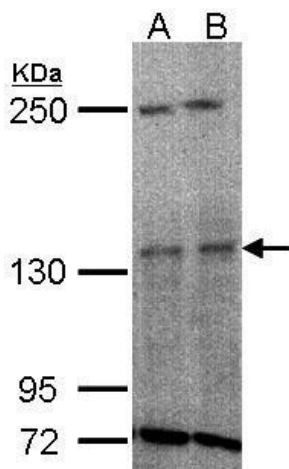
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**Note:** Seq homology of immunogen across species: Mouse (88%), Pig (88%), Bovine (87%)

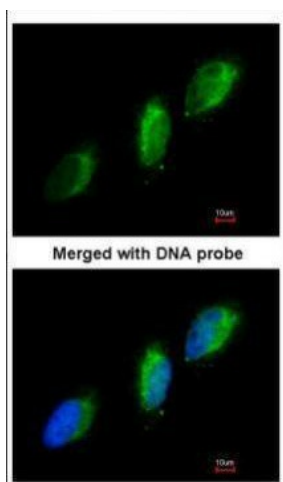
**Protein Families:** Druggable Genome, Protein Kinase

**Protein Pathways:** Jak-STAT signaling pathway

### Product images:



Sample (30 ug whole cell lysate). A: H1299. B: HeLa S3. 5% SDS PAGE. TA308735 diluted at 1:1000



Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using TYK2 (TA308735) antibody at 1:200 dilution.