# Tyk2 (Phospho Tyr1054/1055) (PT1377R) PT™ Rabbit mAb

CatalogNo: YM9219 Recombinant

## Key Features

Host Species
- Rabbit

Reactivity
- Human

Applications
- WB,IF,ELISA

MW
- 134kD (Calculated)

134kD (Observed)

Isotype
- IgG,Kappa

## Storage

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|---|---|
| **Storage*** | -15°C to -25°C/1 year(Do not lower than -25°C) |
| **Formulation** | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA |

## Recommended Dilution Ratios

**WB 1:10000-1:50000**
**IF 1:200-1:1000**
**ELISA 1:5000-1:20000**

## Basic Information

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|---|---|
| **Clonality** | Monoclonal |
| **Clone Number** | PT1377R |

## Immunogen Information

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|---|---|
| **Immunogen** | The specific immunogen used to produce this antibody is proprietary information. |

| | |
|---|---|
| **Specificity** | Tyk2 (Phospho Tyr1054/1055) antibody detects endogenous levels of Tyk2 only when phosphorylated at Tyr1054 or tyr1055,and dually phosphorylated at two sites.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):HEyYR |

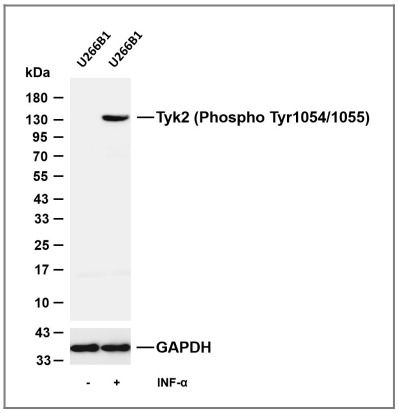
## Target Information

| | |
|---|---|
| **Gene name** | TYK2 |
| **Protein Name** | Tyk 2 (Tyr1054/1055) |

| Organism | Gene ID | UniProt ID |
|---|---|---|
| Human | 7297; | P29597; |
| Mouse | | Q9R117; |

| | |
|---|---|
| **Cellular Localization** | nucleus,cytoplasm,cytosol,cytoskeleton,membrane,extrinsic component of cytoplasmic side of plasma membrane,extracellular exosome, |
| **Tissue specificity** | Observed in all cell lines analyzed. Expressed in a variety of lymphoid and non-lymphoid cell lines. |
| **Function** | Catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,Disease:Defects in TYK2 are the cause of protein-tyrosine kinase 2 deficiency (TYK2 deficiency) [MIM:611521]; also called autosomal recessive hyper-IgE syndrome (HIES) with atypical mycobacteriosis. The syndrome consists of a primary immunodeficiency characterized by recurrent skin abscesses, pneumonia, and highly elevated serum IgE.,Domain:The FERM domain mediates interaction with JAKMIP1.,Function:Probably involved in intracellular signal transduction by being involved in the initiation of type I IFN signaling. Phosphorylates the interferon-alpha/beta receptor alpha chain.,online information:TYK2 mutation db,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. JAK subfamily.,similarity:Contains 1 FERM domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH2 domain.,subunit:Interacts with JAKMIP1.,tissue specificity:Observed in all cell lines analyzed. Expressed in a variety of lymphoid and non-lymphoid cell lines., |

## Validation Data




Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Tyk2 (Phospho Tyr1054/1055) (PT1377R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: U266B1 Lane 2: U266B1 was treated with INF-α (10ng/ml) for 15 minutes Predicted band size: 134kDa Observed band size: 134kDa

## Contact information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|---|---|
| Orders: | order@immunoway.com |
| Support: | tech@immunoway.com |
| Telephone: | 877-594-3616 (Toll Free), 408-747-0185 |
| Website: | http://www.immunoway.com |
| Address: | 2200 Ringwood Ave San Jose, CA 95131 USA |


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