Qty: 100 µg/400 µl

Rabbit anti-
Phosphotyrosine

Catalog No. 61-5800

Lot No. See product label

Rabbit anti-Phosphotyrosine

FORM
Liquid. This polyclonal antibody is supplied at 0.25 mg/ml in 10 mM phosphate buffered saline, pH 7.4, and 0.1% sodium azide as a preservative. The antibody is affinity-purified.

IMMUNOGEN: Affinity-purified native tyrosine phosphorylated proteins.

SPECIFICITY
Purified tyrosine-phosphorylated proteins were used as an immunogen. The antiserum was affinity-purified using an antigen column. This antibody is specific to phosphotyrosine-containing proteins; it has minimal or no reactivity with phosphothreonine or phosphoserine-containing proteins. It will react with tyrosine-phosphorylated proteins from any species.

GENERAL INFORMATION
Phosphorylation of tyrosine residues is associated with many growth factor receptors and oncogene protein kinases, and is an important signal for cellular activation, proliferation, and differentiation.(1)

REACTIVITY: Reactivity of this antibody with phosphorylated proteins is independent of the protein's species of origin.

USAGE
This antibody is useful for Western Blotting, affinity chromatography, and immunoprecipitation of uncharacterized proteins. It can also be used for ELISA or immunohistostaining. It can be conjugated to labels including enzymes, fluorochromes, biotin and agarose.

Optimal concentrations of this antibody should be determined by the researcher for each specific application.

ELISA:	1:5,000 -10,000	
Western Blotting:	1:1,000-2,000	***Refs. 2, 4-10, 13***
Immunoprecipitation:	2-5µg/IP reaction	***Refs. 3, 5-6, 8, 11-12, 14***

STORAGE
Store at 2-8°C for up to one month. Store at -20°C for long term storage. Avoid repeated freezing and thawing.

BACKGROUND
Phosphorylation of tyrosine residues is associated with many growth factor receptors and oncogene protein kinases, and is an important signal for cellular activation, proliferation, and differentiation.(1)

REFERENCES

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(cont'd)

RELATED PRODUCTS

Product	*Clone*	*Cat. No.*
Phosphotyrosine Sampler Pack	6 antibodies	90-0100
Rb x Phosphotyrosine	Z-PY1	61-5800
Rb x Phosphotyrosine-HRP	Z-PY1	61-5820
Rb x Phosphotyrosine-Sepharose®	Z-PY1	61-5841
Ms x Phosphotyrosine	PY-7E1	13-5900
Ms x Phosphotyrosine-HRP	PY-7E1	13-5920
Msx Phosphotyrosine	PY-1B2	13-6300
Ms x Phosphotyrosine	PY20	03-7700
Ms x Phosphotyrosine (1 mg size)	PY20	03-7799 **Excellent Value!**
Ms x Phosphotyrosine-HRP	PY20	03-7720
Ms x Phosphotyrosine-AP	PY20	03-7722
Ms x Phosphotyrosine-Biotin	PY20	03-7740
Ms x Phosphotyrosine- Sepharose®	PY20	03-7742
Ms x Phosphotyrosine	Z027	03-5800
Phosphotyrosine Ab inhibitor	---	79-0003
PY-*Plus*™ Monoclonal Cocktail	3 mabs	13-6600
PY-*Plus*™ Monoclonal Cocktail-HRP	3 mabs	13-6620
Rb x PS/PT/PY (pan)	polyclonal	61-8300
Phospho-Amino Acid Sampler Pack (pSer, pThr, PY-Plus™ Cocktail)	3 antibodies	90-0200
Rb x Phosphothreonine	Z-PT1	71-8200
Ms x Phosphothreonine	PT-5H5	13-9200
Protein A	Sepharose® 4B	10-1041
rec-Protein G	Sepharose® 4B	10-1241

Conjugate	ZyMAX™ Goat x Rabbit IgG (H+L)	ZyMAX™ Goat x Mouse IgG (H+L)
Purified	81-6100	81-6500
FITC	81-6111	81-6511
TRITC	81-6114	81-6514
Cy™3	81-6115	81-6515
Cy™5	81-6116	81-6516
HRP	81-6120	81-6520
AP	81-6122	81-6522
Biotin	81-6140	81-6540

Research Use Only

JB010126