

## Trk pan Rabbit mAb (AR1577)

### Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,IF,IP,ELISA
Isotype:	IgG,Kappa
MW:	87kD (Calculated) 120-140kD (Observed)

### Recommended Dilution Ratios

WB:	1:2000-10000
IF:	1:200-1000
ELISA:	1:5000-20000
IP:	1:50-200

### Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

### Basic Information

Clonality	Monoclonal
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### Immunogen Information

Specificity	Endogenous
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### Target Information

Gene name	NTRK1; MTC; TRK; TRKA; NTRK2; TRKB; NTRK3; TRKC
Protein Name	High affinity nerve growth factor receptor; Neurotrophic tyrosine kinase receptor type 1; TRK1-transforming tyrosine kinase protein; Tropomyosin-related kinase A; Tyrosine kinase receptor; Tyrosine kinase receptor A; Trk-A;gp140trk; p140-TrkA; BDNF/NT-3 growth factors receptor; GP145-TrkB; Trk-B; Neurotrophic tyrosine kinase receptor type 2; TrkB tyrosine kinase; Tropomyosin-related kinase B;NT-3 growth factor receptor;GP145-TrkC; TrkC; Neurotrophic tyrosine kinase receptor type 3; TrkC tyrosine kinase;

Organism	Gene ID	UniProt ID
Human	4914; 4915; 4916	P04629; Q16288; Q16620

Mouse	18211; 18212; 18213	P15209; Q3UFB7; Q6VNSI
Rat	25054; 29613; 59109	Q03351; Q63604; Q68G04

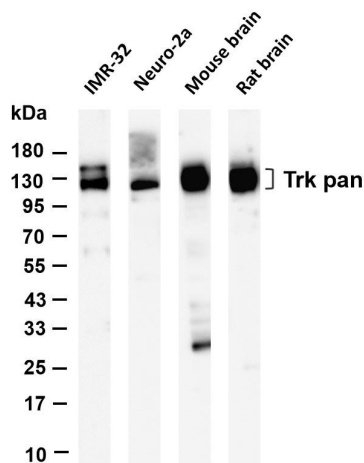
## Cellular Localization

## Membrane

## Tissue specificity

Isoform TrkA-I is found in most non-neuronal tissues. Isoform TrkA-II is primarily expressed in neuronal cells. TrkA-III is specifically expressed by pluripotent neural stem and neural crest progenitors. Isoform TrkB is expressed in the central and peripheral nervous system. In the central nervous system (CNS), expression is observed in the cerebral cortex, hippocampus, thalamus, choroid plexus, granular layer of the cerebellum, brain stem, and spinal cord. In the peripheral nervous system, it is expressed in many cranial ganglia, the ophthalmic nerve, the vestibular system, multiple facial structures, the submaxillary glands, and dorsal root ganglia. Isoform TrkB-T1 is mainly expressed in the brain but also detected in other tissues including pancreas, kidney and heart. Isoform TrkB-T-Shc is predominantly expressed in the brain. TRKC: Widely expressed but mainly in nervous tissue. Isoform 2 is expressed at higher levels in adult brain than in fetal brain.

## Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Trk pan antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.

Lane 1: IMR-32

Lane 2: Neuro-2a

Lane 3: Mouse brain

Lane 4: Rat brain

Predicted band size: 87kDa

Observed band size: 120-140kDa

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