

Datasheet: HCA150

Description:	HUMAN ANTI HUMAN PINK1
Specificity:	PINK1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD11408
Isotype:	HuCAL Fab monovalent
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			1/50
Immunohistology - Paraffin (1)	▪			1/50
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			2 ug/ml
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Product Form	A monovalent human recombinant Fab (lambda light chain) selected from the HuCAL® phage display library, expressed in <i>E. coli</i> . The antibody is tagged with a V5 tag and a double extended Strep-tag at the C-terminus of the antibody heavy chain. This antibody is supplied lyophilized.
Reconstitution	Reconstitute with 1.0 ml distilled water
Preparation	StrepTactin affinity chromatography

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin
Approx. Protein Concentrations	Ig concentration 0.1 mg/ml after reconstitution
Immunogen	Peptide corresponding to amino acids 321 – 511 of human PINK1
External Database Links	<p>UniProt: Q9BXM7 Related reagents</p> <p>Entrez Gene: 65018 PINK1 Related reagents</p>
RRID	AB_10846815
Specificity	<p>Human anti Human PINK1 antibody, clone AbD11408 recognizes human PTEN-induced putative kinase protein 1 (PINK1), a 581 aa single pass membrane protein belonging the serine/threonine protein kinase.</p> <p>PINK1 protects against mitochondrial dysfunction during cellular stress, possibly by phosphorylating mitochondrial proteins. PINK1 is highly expressed in tissues such as the heart, skeletal muscle and testis. Lower expression levels are detected in the brain, placenta, liver, kidney, pancreas, prostate, ovary and small intestine.</p> <p>Defects in PINK1 are the cause of autosomal recessive early-onset Parkinson's disease 6 (PARK6), a condition characterized by the early onset of Parkinsonian symptoms including tremor, bradykinesia, possible hyperreflexia and dementia (Valente et al. 2004).</p>
Histology Positive Control Tissue	Human testis
Western Blotting	HCA150 detects a band of approximately 70 kDa in human brain cell lysates
References	1. Marzetti, E. <i>et al.</i> (2016) Altered mitochondrial quality control signaling in muscle of old gastric cancer patients with cachexia. Exp Gerontol. Nov 12. pii: S0531-5565(16)30259-5. [Epub ahead of print]
Storage	<p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch

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Health And Safety Information Material Safety Datasheet documentation #20486 available at: 20486: <https://www.bio-rad-antibodies.com/uploads/MSDS/20486.pdf>

Regulatory For research purposes only

Technical Advice Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#)

Related Products

Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide STREP-TAG CLASSIC (MCA2489...) [HRP](#)

Mouse Anti Viral V5-TAG (MCA1360...) [Purified, Alk. Phos.](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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