

## Datasheet: HCA150

<b>Description:</b>	HUMAN ANTI HUMAN PINK1
<b>Specificity:</b>	PINK1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD11408
<b>Isotype:</b>	HuCAL Fab monovalent
<b>Quantity:</b>	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](http://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.**

<b>Target Species</b>	Human
<b>Product Form</b>	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.
<b>Reconstitution</b>	Reconstitute with 1.0 ml distilled water
<b>Preparation</b>	StrepTactin affinity chromatography

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% sodium azide (NaN <sub>3</sub> ) 1% bovine serum albumin
<b>Approx. Protein Concentrations</b>	Ig concentration 0.1 mg/ml after reconstitution
<b>Immunogen</b>	Peptide corresponding to amino acids 321 – 511 of human PINK1
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9BXM7</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">65018</a> PINK1    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_10846815
<b>Specificity</b>	<p><b>Human anti Human PINK1 antibody, clone AbD11408</b> 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 (<a href="#">PARK6</a>), a condition characterized by the early onset of Parkinsonian symptoms including tremor, bradykinesia, possible hyperreflexia and dementia (<b>Valente et al. 2004</b>).</p>
<b>Histology Positive Control Tissue</b>	Human testis
<b>Western Blotting</b>	Human anti Human PINK1 antibody, clone AbD11408 detects a band of approximately 70 kDa in human brain cell lysates.
<b>References</b>	1. Marzetti, E. <i>et al.</i> (2016) Altered mitochondrial quality control signaling in muscle of old gastric cancer patients with cachexia. <a href="#">Exp Gerontol. Nov 12. pii: S0531-5565(16)30259-5. [Epub ahead of print]</a>
<b>Storage</b>	<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>
<b>Guarantee</b>	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>

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**Regulatory** For research purposes only

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

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## Related Products

### Recommended Secondary Antibodies

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

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

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

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