

CASC3 Polyclonal Antibody

Catalog NumberPA5-14122

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:50
Type	Antibody	Western Blot (WB)	1:1,000
Immunogen	KLH conjugated synthetic peptide between 159-188 amino acids from human CASC3	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	Lot-specific		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with bovine, mouse, rat and Xenopus and zebrafish based on sequence homology.

Background/Target Information

The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. The immunoproteasome contains an alternate regulator, referred to as the 11S regulator or PA28, that replaces the 19S regulator. Three subunits of the 11S regulator have been identified. This gene encodes the gamma subunit of the 11S regulator. Six gamma subunits combine to form a homohexameric ring. Two transcript variants encoding different isoforms have been identified.

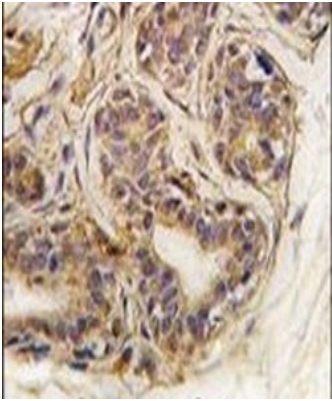
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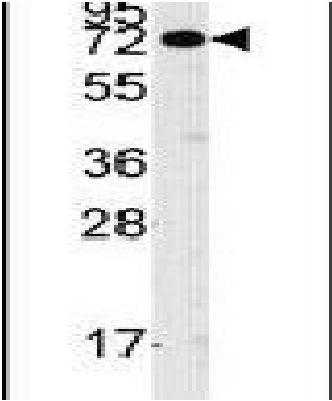
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Product Images For CASC3 Polyclonal Antibody



CASC3 Antibody (PA5-14122) in IHC
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human breast carcinoma tissue using a CASC3 polyclonal antibody (Product # PA5-14122), followed by HRP-conjugated secondary antibody and DAB staining.



CASC3 Antibody (PA5-14122) in WB
Western blot analysis using a CASC3 polyclonal antibody (Product # PA5-14122) in NCI-H460 cell lysates (35 µg per lane).

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