

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Occludin, Human, pAb		
Catalog number	HP9047		
Lot number	-	Expiry date	-
Volume	1 ml	Amount	100 µg
Formulation	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3	Concentration	100 µg/ml
Host Species	Guinea pig Ig	Conjugate	None
Endotoxin	N.A.	Purification	Protein A
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes	•		•					•
No								
N.D.		•		•	•	•	•	

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

General Information

Description	The polyclonal antibody reacts with human occludin, an integral membrane protein specifically associated with tight junctions. These specialized regions of the plasma membrane prevent the diffusion of dissolved molecules between adjacent epithelial cells, seal off body cavities such as intestine or stomach lumen and prevent the diffusion of membrane proteins and glycolipids between the apical and basolateral regions of the plasma membrane. Occludin is localized at tight junctions of both epithelial and endothelial cells and is highly expressed in kidney and has not been detected in testis. On the cytoplasmic surface of occludin, a domain within the C-terminal 150 residues has been shown to bind directly to the well-characterized tight junction protein zona occludens 1 (ZO-1). The antibody is generated against recombinant human occludin (aa 358-504). The polyclonal anti-human occludin antibody cross reacts with rat, mouse and dog occludin.
Immunogen	Recombinant human occludin (aa 358-504).
References	1. Van Itallie, C et al; Occludin confers adhesiveness when expressed in fibroblasts. J Cell Sci 1997, 110: 1113.
Cross reactivity	Mouse: Yes; Rat: Yes; Dog: Yes.
Storage&stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.
Precautions	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Robbert Zwinkels

Date
15/03/2018

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.