



## VE-Cadherin Anti-Cad 3 Polyclonal Antibody

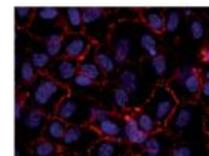
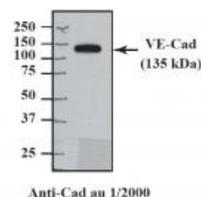
Cat No: A03144 - 100 µg

### General Data

**Shipping:** Dry ice  
**Formulation:** liquid  
**Storage Buffer:** 0.1M Tris Glycine pH 7.8, 0.02% Na azide

**Host:** Rabbit  
**Antigen:** Fragment of mature VE-Cadherin

**Application(s):** WB, IF



Anti-Cad3 au 1/200

### Product Overview

Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. VE-cadherin may play an important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. It associates with alpha-catenin forming a link to the cytoskeleton. It acts in concert with KRIT1 to establish and maintain correct endothelial cell polarity and vascular lumen.

### Scientific Literature

Hermant B, Bibert S, Concord E, Dublet B, Weidenhaupt M, Vernet T, Gulino-Debrac D. Identification of proteases involved in the proteolysis of vascular endothelium cadherin during neutrophil transmigration. *J Biol Chem.* 2003 Apr 18;278(16):14002-12.

Gulino D, Delachanal E, Concord E, Genoux Y, Morand B, Valiron MO, Sulpice E, Scaife R, Alemany M, Vernet T. Alteration of endothelial cell monolayer integrity triggers resynthesis of vascular endothelium cadherin. *J Biol Chem.* 1998 Nov 6;273(45):29786-93.

FP/19/24

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