Prod. no. Zrp-12 **Product Description RABBIT ANTI-SALMON ZONA RADIATA** PROTEINS Polyclonal IgG-fraction, O-146

Description

Na-phosphate, 0.15M NaCl, 1% BSA, 0.1% Na-azide, ticular application. pH 7.4.

Immunogen source Purified eggshell proteins (zona radiata proteins and small amounts of zona pellucida proteins) from Atlantic salmon (Salmo salar).

Specificity

The polyclonal antibody O-146 binds with high affinity to the three zona radiata proteins α , β and γ in plasma samples from Atlantic salmon. The antibody cross-reacts well with Zrp in plasma samples from rainbow trout (Oncorhynchus mykiss) and Arctic char (Salvelinus alpinus), Atlantic cod (Gadus morhua), turbot (Scophthalmus maximus), flounder (Platichthys flesus) and halibut (Hippoglossus hippoglossus). The degree of cross-reactivity may differ between the different Zrp proteins and with the different methods used. Crossreactivity with Zona pellucida proteins may be observed in fish ovaries or eggs.

kDa

102

78

50

34

29

Western blot

Samples: Plasma (1:100 dilution, 10 µl) from juvenile fish induced with 17ß-estradiol (E2) or control fish (C), non-induced juvenile or male fish.

Primary antibody: Zrp-12 diluted 1:100 Secondary antibody: Peroxidase labelled Goat anti-rabbit IgG, diluted 1:3000 Development: Peroxidase color development reagent (4-chloro-1-naphthol/H₂O₂)

Application

This product contains polyclonal rabbit antibodies (pu- The polyclonal antibody Zrp-12 is well suited for ELISA rified IgG fraction) against zona radiata proteins (Zrp) and immunoblotting. Since assay conditions vary, the from Atlantic salmon. The antibody is dissolved in 0.1M optimum dilution should be determined for each par-

> Usual dilution range: 1:100 - 1: 1000 (Salmoniformes) 1:50 - 1: 200 (Other species)

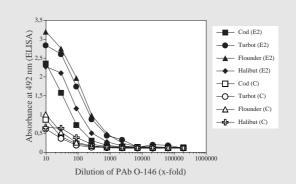
Storage

In the dark at 4 °C.

ELISA

Coating: Plasma (diluted 1:1000) from fish induced with 17ß-estradiol (E2). Control fish (C) were non-induced juvenile or male fish. Primary antibody: Zrp-12

Secondary antibody: Peroxidase labelled Goat anti-rabbit IgG, diluted 1:3000 Development: Peroxidase substrate (OPD/ H_2O_2)







Flounder(E2)

Hallout E2

Haibut

Flounder(C)

Tubotte2

Tubot