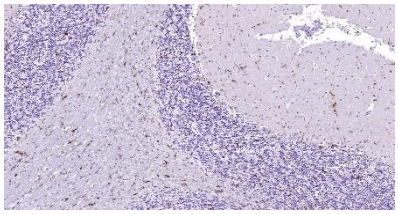
Anti-IBA1, rabbit monoclonal (BSR187)

BSH-3021-100 (0.1 ml), BSH-3021-1 (1 ml)

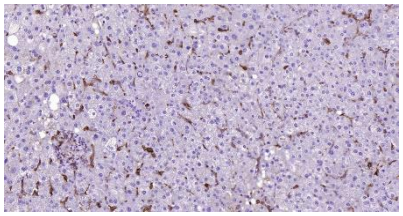
Clonality:	Rabbit monoclonal antibody
Clone:	BSR187
Application:	IHC-P (1:100 - 1:400)
Species Reactivity:	Human
Control tissues:	Tonsil, Liver
Alias names:	AIF-1
Buffer:	TRIS with 0.03% sodium azide, pH 7.2
Storage:	Store at 4°C



Cerebellum section has been stained using IBA1 optibody (Clone: BSR187) with 1:200 dilution. Only microglia resident in CNS is stained and no nervous tissue staining is seen.

Description

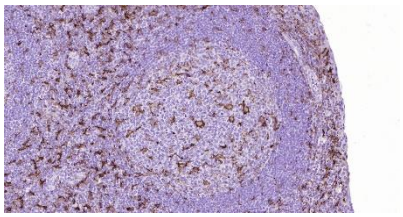
AIB-1 also known as allograft inflammation factor-1 is cytoplasmic actin and calcium binding protein that is expressed especially in activated macrophages and microglia, but also plays part in vascular smooth muscle cell activation and migration. In clinical use IBA1 can be valuable marker of allograft rejection, macrophages and microglia.



Liver section has been stained using IBA1 optibody (Clone: BSR187) with 1:200 dilution. Kupffer cells stain with varying intensity with no background.

Protocol

1. Deparaffinize and rehydrate tissue section
2. Wash: aqua dest, 2×5 min
3. Pre-treatment: PT-module HIER pH 9.0 (20min at 98°C)
4. H_2O_2 (concentration 3%), 10 min
5. Wash: PBS or TBS buffer, 2×5 min
6. Primary antibody diluted as recommended, 30 min
7. Wash: PBS or TBS buffer, 2×5 min
8. One step HRP-polymer detection, 30 min
9. Wash: PBS or TBS buffer, 2×5 min
10. DAB Substrate, 8 min
11. Wash: aqua dest, 2×2 min
12. Counterstain, dehydrate and coverslip



Tonsil section has been stained using IBA1 optibody (Clone: BSR187) with 1:200 dilution.

Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.