

Brodmann's area	Function	Cortical localization
3, 1, 2	Primary somatosensory area	Postcentral gyrus, paracentral lobule
5, 7	Somatosensory association area	Superior parietal lobule, precuneus
17	Primary visual cortex	Area striata, both sides of calcarine sulcus
18	Secondary visual cortex	Area parastriata
19	Tertiary visual cortex	Area peristriata
41, 42	Auditory cortex	Transverse temporal gyri (Heschl's gyri)
40, 39	Sensory speech area	Supramarginal gyrus, angular gyrus
22	Wernicke's speech area	Superior temporal gyrus
44,45	Motor speech area of Broca	Opercular part, triangular part
6	Premotor area	Anterior to precentral sulcus
(9, 10, 11, 12)	Prefrontal area: short term memory, empathy, overriding automatic responses, verbal fluency	Prefrontal cortex
43	Taste area	Inferior part of the postcentral gyrus, insula
4	Primary motor area	Precentral gyrus